Erratum to: Search for new phenomena in final states with an energetic jet and large missing transverse momentum in pp collisions at s=8 TeV with the ATLAS detector (Eur. Phys. J. C (2015) 75:299, 10.1140/epjc/s10052-015-3517-3)

Aad, G; Abbott, B; Abdallah, J; Abdel Khalek, S; Abdinov, O; Aben, R; Abi, B; Abolins, M; AbouZeid, OS; Abramowicz, H; Abreu, H; Abreu, R; Abulaiti, Y; Acharya, BS; Adamczyk, L; Adams, DL; Adelman, J; Adomeit, S; Adye, T; Agatonovic-Jovin, T; Aguilar-Saavedra, JA; Agustoni, M; Ahlen, SP; Ahmadov, F; Aielli, G; Akerstedt, H; Åkesson, TPA; Akimoto, G; Akimov, AV; Alberghi, GL; Albert, J; Albrand, S; Alconada Verzini, MJ; Aleksa, M; Aleksandrov, IN; Alexa, C; Alexander, G; Alexandre, G; Alexopoulos, T; Alhroob, M; Alimonti, G; Alio, L; Alison, J; Allbrooke, BMM; Allison, LJ; Allport, PP; Aloisio, A; Alonso, A; Alonso, F; Alpigiani, C; Altheimer, A; Alvarez Gonzalez, B; Alviggi, MG; Amako, K; Amaral Coutinho, Y; Amelung, C; Amidei, D; Amor Dos Santos, SP; Amorim, A; Amoroso, S; Amram, N; Amundsen, G; Anastopoulos, C; Ancu, LS; Andari, N; Andeen, T; Anders, CF; Anders, G; Anderson, KJ; Andreazza, A; Andrei, V; Anduaga, XS; Angelidakis, S; Angelozzi, I; Anger, P; Angerami, A; Anghinolfi, F; Anisenkov, AV; Anjos, N; Annovi, A; Antonelli, M; Antonov, A; Antos, J; Anulli, F; Aoki, M; Aperio Bella, L; Arabidze, G; Arai, Y; Araque, JP; Arce, ATH; Arduh, FA; Arguin, JF; Argyropoulos, S; Arik, M; Armbruster, AJ; Arnaez, O; Arnal, V; Arnold, H; Arratia, M; Arslan, O

Eur. Phys. J. C (2015) 75:1–14:408
DOI 10.1140/epjc/s10052-015-3639-7

THE EUROPEAN PHYSICAL JOURNAL C

Erratum

Erratum to: Search for new phenomena in final states with an energetic jet and large missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector

ATLAS Collaboration*

CERN, 1211 Geneva 23, Switzerland

Published online: 3 September 2015

Erratum to: Eur. Phys. J. C (2015) 75:299
DOI 10.1140/epjc/s10052-015-3517-3

In the published paper, Fig. 16 was wrongly replaced by another figure and it did not correspond to the caption. In the correct Fig. 16 shown here, the 95 % CL upper limit on $\sigma \times \mathrm{BR}(H \rightarrow \text{invisible})$ as a function of the boson mass m_H is presented.

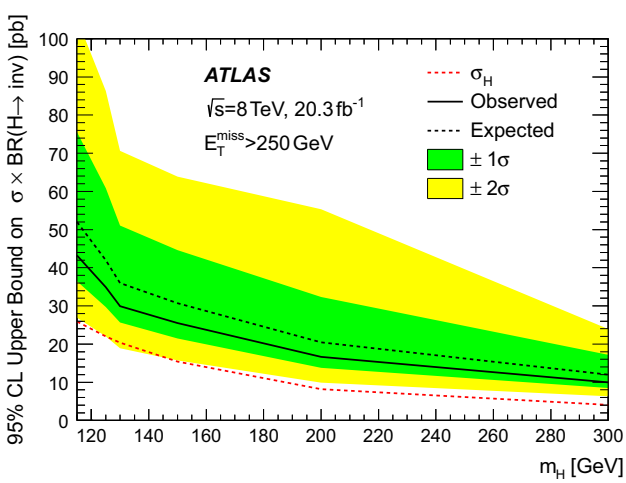

Fig. 16 The observed (*solid line*) and expected (*dashed line*) 95 % CL upper limit on $\sigma \times \mathrm{BR}(H \rightarrow \text{invisible})$ as a function of the boson mass m_H. The *shaded areas* around the expected limit indicate the expected $\pm 1\sigma$ and $\pm 2\sigma$ ranges of limits in the absence of a signal. The expectation for a Higgs boson with $\mathrm{BR}(H \rightarrow \text{invisible}) = 1$, σ_H, is also shown

Funded by SCOAP[3].

The online version of the original article can be found under doi:10.1140/epjc/s10052-015-3517-3.

* e-mail: atlas.publications@cern.ch

ATLAS Collaboration

G. Aad[85], B. Abbott[113], J. Abdallah[152], S. Abdel Khalek[117], O. Abdinov[11], R. Aben[107], B. Abi[114], M. Abolins[90], O. S. AbouZeid[159], H. Abramowicz[154], H. Abreu[153], R. Abreu[30], Y. Abulaiti[147a,147b], B. S. Acharya[165a,165b,a], L. Adamczyk[38a], D. L. Adams[25], J. Adelman[108], S. Adomeit[100], T. Adye[131], T. Agatonovic-Jovin[13], J. A. Aguilar-Saavedra[126a,126f], M. Agustoni[17], S. P. Ahlen[22], F. Ahmadov[65,b], G. Aielli[134a,134b], H. Akerstedt[147a,147b], T. P. A. Åkesson[81], G. Akimoto[156], A. V. Akimov[96], G. L. Alberghi[20a,20b], J. Albert[170], S. Albrand[55], M. J. Alconada Verzini[71], M. Aleksa[30], I. N. Aleksandrov[65], C. Alexa[26a], G. Alexander[154], G. Alexandre[49], T. Alexopoulos[10], M. Alhroob[113], G. Alimonti[91a], L. Alio[85], J. Alison[31], B. M. M. Allbrooke[18], L. J. Allison[72], P. P. Allport[74], A. Aloisio[104a,104b], A. Alonso[36], F. Alonso[71], C. Alpigiani[76], A. Altheimer[35], B. Alvarez Gonzalez[90], M. G. Alviggi[104a,104b], K. Amako[66], Y. Amaral Coutinho[24a], C. Amelung[23], D. Amidei[89], S. P. Amor Dos Santos[126a,126c], A. Amorim[126a,126b], S. Amoroso[48], N. Amram[154], G. Amundsen[23], C. Anastopoulos[140], L. S. Ancu[49], N. Andari[30], T. Andeen[35], C. F. Anders[58b], G. Anders[30], K. J. Anderson[31], A. Andreazza[91a,91b], V. Andrei[58a], X. S. Anduaga[71], S. Angelidakis[9], I. Angelozzi[107], P. Anger[44], A. Angerami[35], F. Anghinolfi[30], A. V. Anisenkov[109,c], N. Anjos[12], A. Annovi[124a,124b], M. Antonelli[47], A. Antonov[98], J. Antos[145b], F. Anulli[133a], M. Aoki[66], L. Aperio Bella[18], G. Arabidze[90], Y. Arai[66], J. P. Araque[126a], A. T. H. Arce[45], F. A. Arduh[71], J-F. Arguin[95], S. Argyropoulos[42], M. Arik[19a], A. J. Armbruster[30], O. Arnaez[30], V. Arnal[82], H. Arnold[48], M. Arratia[28], O. Arslan[21], A. Artamonov[97], G. Artoni[23], S. Asai[156], N. Asbah[42], A. Ashkenazi[154], B. Åsman[147a,147b], L. Asquith[150], K. Assamagan[25], R. Astalos[145a], M. Atkinson[166], N. B. Atlay[142], B. Auerbach[6], K. Augsten[128], M. Aurousseau[146b], G. Avolio[30], B. Axen[15], M. K. Ayoub[117], G. Azuelos[95,d], M. A. Baak[30], A. E. Baas[58a], C. Bacci[135a,135b], H. Bachacou[137], K. Bachas[155], M. Backes[30], M. Backhaus[30], P. Bagiacchi[133a,133b], P. Bagnaia[133a,133b], Y. Bai[33a], T. Bain[35], J. T. Baines[131], O. K. Baker[177], P. Balek[129], T. Balestri[149], F. Balli[84], E. Banas[39], Sw. Banerjee[174], A. A. E. Bannoura[176], H. S. Bansil[18], L. Barak[173], S. P. Baranov[96], E. L. Barberio[88], D. Barberis[50a,50b], M. Barbero[85], T. Barillari[101], M. Barisonzi[165a,165b], T. Barklow[144], N. Barlow[28], S. L. Barnes[84], B. M. Barnett[131], R. M. Barnett[15], Z. Barnovska[5], A. Baroncelli[135a], G. Barone[49], A. J. Barr[120], F. Barreiro[82], J. Barreiro Guimarães da Costa[57], R. Bartoldus[144], A. E. Barton[72], P. Bartos[145a], A. Bassalat[117], A. Basye[166], R. L. Bates[53], S. J. Batista[159], J. R. Batley[28], M. Battaglia[138], M. Bauce[133a,133b], F. Bauer[137], H. S. Bawa[144,e], J. B. Beacham[111], M. D. Beattie[72], T. Beau[80], P. H. Beauchemin[162], R. Beccherle[124a,124b], P. Bechtle[21], H. P. Beck[17,f], K. Becker[120], S. Becker[100], M. Beckingham[171], C. Becot[117], A. J. Beddall[19c], A. Beddall[19c], V. A. Bednyakov[65], C. P. Bee[149], L. J. Beemster[107], T. A. Beermann[176], M. Begel[25], K. Behr[120], C. Belanger-Champagne[87], P. J. Bell[49], W. H. Bell[49], G. Bella[154], L. Bellagamba[20a], A. Bellerive[29], M. Bellomo[86], K. Belotskiy[98], O. Beltramello[30], O. Benary[154], D. Benchekroun[136a], M. Bender[100], K. Bendtz[147a,147b], N. Benekos[10], Y. Benhammou[154], E. Benhar Noccioli[49], J. A. Benitez Garcia[160b], D. P. Benjamin[45], J. R. Bensinger[23], S. Bentvelsen[107], L. Beresford[120], M. Beretta[47], D. Berge[107], E. Bergeaas Kuutmann[167], N. Berger[5], F. Berghaus[170], J. Beringer[15], C. Bernard[22], N. R. Bernard[86], C. Bernius[110], F. U. Bernlochner[21], T. Berry[77], P. Berta[129], C. Bertella[83], G. Bertoli[147a,147b], F. Bertolucci[124a,124b], C. Bertsche[113], D. Bertsche[113], M. I. Besana[91a], G. J. Besjes[106], O. Bessidskaia Bylund[147a,147b], M. Bessner[42], N. Besson[137], C. Betancourt[48], S. Bethke[101], A. J. Bevan[76], W. Bhimji[46], R. M. Bianchi[125], L. Bianchini[23], M. Bianco[30], O. Biebel[100], S. P. Bieniek[78], M. Biglietti[135a], J. Bilbao De Mendizabal[49], H. Bilokon[47], M. Bindi[54], S. Binet[117], A. Bingul[19c], C. Bini[133a,133b], C. W. Black[151], J. E. Black[144], K. M. Black[22], D. Blackburn[139], R. E. Blair[6], J.-B. Blanchard[137], J. E. Blanco[77], T. Blazek[145a], I. Bloch[42], C. Blocker[23], W. Blum[83,*], U. Blumenschein[54], G. J. Bobbink[107], V. S. Bobrovnikov[109,c], S. S. Bocchetta[81], A. Bocci[45], C. Bock[100], C. R. Boddy[120], M. Boehler[48], J. A. Bogaerts[30], A. G. Bogdanchikov[109], C. Bohm[147a], V. Boisvert[77], T. Bold[38a], V. Boldea[26a], A. S. Boldyrev[99], M. Bomben[80], M. Bona[76], M. Boonekamp[137], A. Borisov[130], G. Borissov[72], S. Borroni[42], J. Bortfeldt[100], V. Bortolotto[60a], K. Bos[107], D. Boscherini[20a], M. Bosman[12], H. Boterenbrood[107], J. Boudreau[125], J. Bouffard[2], E. V. Bouhova-Thacker[72], D. Boumediene[34], C. Bourdarios[117], N. Bousson[114], S. Boutouil[136d], A. Boveia[30], J. Boyd[30], I. R. Boyko[65], I. Bozic[13], J. Bracinik[18], A. Brandt[8], G. Brandt[15], O. Brandt[58a], U. Bratzler[157], B. Brau[86], J. E. Brau[116], H. M. Braun[176,*], S. F. Brazzale[165a,165c], K. Brendlinger[122], A. J. Brennan[88], L. Brenner[107], R. Brenner[167], S. Bressler[173], K. Bristow[146c], T. M. Bristow[46], D. Britton[53], F. M. Brochu[28], I. Brock[21], R. Brock[90], J. Bronner[101], G. Brooijmans[35], T. Brooks[77], W. K. Brooks[32b], J. Brosamer[15], E. Brost[116], J. Brown[55], P. A. Bruckman de Renstrom[39], D. Bruncko[145b], R. Bruneliere[48], A. Bruni[20a], G. Bruni[20a], M. Bruschi[20a], L. Bryngemark[81], T. Buanes[14], Q. Buat[143], F. Bucci[49], P. Buchholz[142], A. G. Buckley[53], S. I. Buda[26a], I. A. Budagov[65], F. Buehrer[48], L. Bugge[119], M. K. Bugge[119], O. Bulekov[98], H. Burckhart[30], S. Burdin[74], B. Burghgrave[108], S. Burke[131], I. Burmeister[43], E. Busato[34], D. Büscher[48], V. Büscher[83], P. Bussey[53], C. P. Buszello[167], J. M. Butler[22], A. I. Butt[3], C. M. Buttar[53], J. M. Butterworth[78], P. Butti[107], W. Buttinger[25], A. Buzatu[53], S. Cabrera Urbán[168], D. Caforio[128], O. Cakir[4a], P. Calafiura[15], A. Calandri[137], G. Calderini[80], P. Calfayan[100],

L. P. Caloba[24a], D. Calvet[34], S. Calvet[34], R. Camacho Toro[49], S. Camarda[42], D. Cameron[119], L. M. Caminada[15], R. Caminal Armadans[12], S. Campana[30], M. Campanelli[78], A. Campoverde[149], V. Canale[104a,104b], A. Canepa[160a], M. Cano Bret[76], J. Cantero[82], R. Cantrill[126a], T. Cao[40], M. D. M. Capeans Garrido[30], I. Caprini[26a], M. Caprini[26a], M. Capua[37a,37b], R. Caputo[83], R. Cardarelli[134a], T. Carli[30], G. Carlino[104a], L. Carminati[91a,91b], S. Caron[106], E. Carquin[32a], G. D. Carrillo-Montoya[146c], J. R. Carter[28], J. Carvalho[126a,126c], D. Casadei[78], M. P. Casado[12], M. Casolino[12], E. Castaneda-Miranda[146b], A. Castelli[107], V. Castillo Gimenez[168], N. F. Castro[126a,g], P. Catastini[57], A. Catinaccio[30], J. R. Catmore[119], A. Cattai[30], G. Cattani[134a,134b], J. Caudron[83], V. Cavaliere[166], D. Cavalli[91a], M. Cavalli-Sforza[12], V. Cavasinni[124a,124b], F. Ceradini[135a,135b], B. C. Cerio[45], K. Cerny[129], A. S. Cerqueira[24b], A. Cerri[150], L. Cerrito[76], F. Cerutti[15], M. Cerv[30], A. Cervelli[17], S. A. Cetin[19b], A. Chafaq[136a], D. Chakraborty[108], I. Chalupkova[129], P. Chang[166], B. Chapleau[87], J. D. Chapman[28], D. Charfeddine[117], D. G. Charlton[18], C. C. Chau[159], C. A. Chavez Barajas[150], S. Cheatham[153], A. Chegwidden[90], S. Chekanov[6], S. V. Chekulaev[160a], G. A. Chelkov[65,h], M. A. Chelstowska[89], C. Chen[64], H. Chen[25], K. Chen[149], L. Chen[33d,i], S. Chen[33c], X. Chen[33f], Y. Chen[67], H. C. Cheng[89], Y. Cheng[31], A. Cheplakov[65], E. Cheremushkina[130], R. Cherkaoui El Moursli[136e], V. Chernyatin[25,*], E. Cheu[7], L. Chevalier[137], V. Chiarella[47], J. T. Childers[6], A. Chilingarov[72], G. Chiodini[73a], A. S. Chisholm[18], R. T. Chislett[78], A. Chitan[26a], M. V. Chizhov[65], S. Chouridou[9], B. K. B. Chow[100], D. Chromek-Burckhart[30], M. L. Chu[152], J. Chudoba[127], J. J. Chwastowski[39], L. Chytka[115], G. Ciapetti[133a,133b], A. K. Ciftci[4a], D. Cinca[53], V. Cindro[75], A. Ciocio[15], Z. H. Citron[173], M. Ciubancan[26a], A. Clark[49], P. J. Clark[46], R. N. Clarke[15], W. Cleland[125], C. Clement[147a,147b], Y. Coadou[85], M. Cobal[165a,165c], A. Coccaro[139], J. Cochran[64], L. Coffey[23], J. G. Cogan[144], B. Cole[35], S. Cole[108], A. P. Colijn[107], J. Collot[55], T. Colombo[58c], G. Compostella[101], P. Conde Muiño[126a,126b], E. Coniavitis[48], S. H. Connell[146b], I. A. Connelly[77], S. M. Consonni[91a,91b], V. Consorti[48], S. Constantinescu[26a], C. Conta[121a,121b], G. Conti[30], F. Conventi[104a,j], M. Cooke[15], B. D. Cooper[78], A. M. Cooper-Sarkar[120], K. Copic[15], T. Cornelissen[176], M. Corradi[20a], F. Corriveau[87,k], A. Corso-Radu[164], A. Cortes-Gonzalez[12], G. Cortiana[101], G. Costa[91a], M. J. Costa[168], D. Costanzo[140], D. Côté[8], G. Cottin[28], G. Cowan[77], B. E. Cox[84], K. Cranmer[110], G. Cree[29], S. Crépé-Renaudin[55], F. Crescioli[80], W. A. Cribbs[147a,147b], M. Crispin Ortuzar[120], M. Cristinziani[21], V. Croft[106], G. Crosetti[37a,37b], T. Cuhadar Donszelmann[140], J. Cummings[177], M. Curatolo[47], C. Cuthbert[151], H. Czirr[142], P. Czodrowski[3], S. D'Auria[53], M. D'Onofrio[74], M. J. Da Cunha Sargedas De Sousa[126a,126b], C. Da Via[84], W. Dabrowski[38a], A. Dafinca[120], T. Dai[89], O. Dale[14], F. Dallaire[95], C. Dallapiccola[86], M. Dam[36], J. R. Dandoy[31], A. C. Daniells[18], M. Danninger[169], M. Dano Hoffmann[137], V. Dao[48], G. Darbo[50a], S. Darmora[8], J. Dassoulas[3], A. Dattagupta[61], W. Davey[21], C. David[170], T. Davidek[129], E. Davies[120,l], M. Davies[154], O. Davignon[80], P. Davison[78], Y. Davygora[58a], E. Dawe[143], I. Dawson[140], R. K. Daya-Ishmukhametova[86], K. De[8], R. de Asmundis[104a], S. De Castro[20a,20b], S. De Cecco[80], N. De Groot[106], P. de Jong[107], H. De la Torre[82], F. De Lorenzi[64], L. De Nooij[107], D. De Pedis[133a], A. De Salvo[133a], U. De Sanctis[150], A. De Santo[150], A. De Simone[m], J. B. De Vivie De Regie[117], W. J. Dearnaley[72], R. Debbe[25], C. Debenedetti[138], D. V. Dedovich[65], I. Deigaard[107], J. Del Peso[82], T. Del Prete[124a,124b], D. Delgove[117], F. Deliot[137], C. M. Delitzsch[49], M. Deliyergiyev[75], A. Dell'Acqua[30], L. Dell'Asta[22], M. Dell'Orso[124a,124b], M. Della Pietra[104a,j], D. della Volpe[49], M. Delmastro[5], P. A. Delsart[55], C. Deluca[107], D. A. DeMarco[159], S. Demers[177], M. Demichev[65], A. Demilly[80], S. P. Denisov[130], D. Derendarz[39], J. E. Derkaoui[136d], F. Derue[80], P. Dervan[74], K. Desch[21], C. Deterre[42], P. O. Deviveiros[30], A. Dewhurst[131], S. Dhaliwal[107], A. Di Ciaccio[134a,134b], L. Di Ciaccio[5], A. Di Domenico[133a,133b], C. Di Donato[104a,104b], A. Di Girolamo[30], B. Di Girolamo[30], A. Di Mattia[153], B. Di Micco[135a,135b], R. Di Nardo[47], A. Di Simone[48], R. Di Sipio[20a,20b], D. Di Valentino[29], C. Diaconu[85], M. Diamond[159], F. A. Dias[46], M. A. Diaz[32a], E. B. Diehl[89], J. Dietrich[16], T. A. Dietzsch[58a], S. Diglio[85], A. Dimitrievska[13], J. Dingfelder[21], F. Dittus[30], F. Djama[85], T. Djobava[51b], J. I. Djuvsland[58a], M. A. B. do Vale[24c], D. Dobos[30], M. Dobre[26a], C. Doglioni[49], T. Doherty[53], T. Dohmae[156], J. Dolejsi[129], Z. Dolezal[129], B. A. Dolgoshein[98,*], M. Donadelli[24d], S. Donati[124a,124b], P. Dondero[121a,121b], J. Donini[34], J. Dopke[131], A. Doria[104a], M. T. Dova[71], A. T. Doyle[53], M. Dris[10], E. Dubreuil[34], E. Duchovni[173], G. Duckeck[100], O. A. Ducu[26a], D. Duda[176], A. Dudarev[30], L. Duflot[117], L. Duguid[77], M. Dührssen[30], M. Dunford[58a], H. Duran Yildiz[4a], M. Düren[52], A. Durglishvili[51b], D. Duschinger[44], M. Dwuznik[38a], M. Dyndal[38a], K. M. Ecker[101], W. Edson[2], N. C. Edwards[46], W. Ehrenfeld[21], T. Eifert[30], G. Eigen[14], K. Einsweiler[15], T. Ekelof[167], M. El Kacimi[136c], M. Ellert[167], S. Elles[5], F. Ellinghaus[83], A. A. Elliot[170], N. Ellis[30], J. Elmsheuser[100], M. Elsing[30], D. Emeliyanov[131], Y. Enari[156], O. C. Endner[83], M. Endo[118], R. Engelmann[149], J. Erdmann[43], A. Ereditato[17], D. Eriksson[147a], G. Ernis[176], J. Ernst[2], M. Ernst[25], S. Errede[166], E. Ertel[83], M. Escalier[117], H. Esch[43], C. Escobar[125], B. Esposito[47], A. I. Etienvre[137], E. Etzion[154], H. Evans[61], A. Ezhilov[123], L. Fabbri[20a,20b], G. Facini[31], R. M. Fakhrutdinov[130], S. Falciano[133a], R. J. Falla[78], J. Faltova[129], Y. Fang[33a], M. Fanti[91a,91b], A. Farbin[8], A. Farilla[135a], T. Farooque[12], S. Farrell[15], S. M. Farrington[171], P. Farthouat[30], F. Fassi[136e], P. Fassnacht[30], D. Fassouliotis[9], A. Favareto[50a,50b], L. Fayard[117], P. Federic[145a], O. L. Fedin[123,n], W. Fedorko[169], S. Feigl[30], L. Feligioni[85], C. Feng[33d], E. J. Feng[6], H. Feng[89], A. B. Fenyuk[130], P. Fernandez Martinez[168],

S. Fernandez Perez[30], S. Ferrag[53], J. Ferrando[53], A. Ferrari[167], P. Ferrari[107], R. Ferrari[121a], D. E. Ferreira de Lima[53], A. Ferrer[168], D. Ferrere[49], C. Ferretti[89], A. Ferretto Parodi[50a,50b], M. Fiascaris[31], F. Fiedler[83], A. Filipčič[75], M. Filipuzzi[42], F. Filthaut[106], M. Fincke-Keeler[170], K. D. Finelli[151], M. C. N. Fiolhais[126a,126c], L. Fiorini[168], A. Firan[40], A. Fischer[2], C. Fischer[12], J. Fischer[176], W. C. Fisher[90], E. A. Fitzgerald[23], M. Flechl[48], I. Fleck[142], P. Fleischmann[89], S. Fleischmann[176], G. T. Fletcher[140], G. Fletcher[76], T. Flick[176], A. Floderus[81], L. R. Flores Castillo[60a], M. J. Flowerdew[101], A. Formica[137], A. Forti[84], D. Fournier[117], H. Fox[72], S. Fracchia[12], P. Francavilla[80], M. Franchini[20a,20b], D. Francis[30], L. Franconi[119], M. Franklin[57], M. Fraternali[121a,121b], D. Freeborn[78], S. T. French[28], F. Friedrich[44], D. Froidevaux[30], J. A. Frost[120], C. Fukunaga[157], E. Fullana Torregrosa[83], B. G. Fulsom[144], J. Fuster[168], C. Gabaldon[55], O. Gabizon[176], A. Gabrielli[20a,20b], A. Gabrielli[133a,133b], S. Gadatsch[107], S. Gadomski[49], G. Gagliardi[50a,50b], P. Gagnon[61], C. Galea[106], B. Galhardo[126a,126c], E. J. Gallas[120], B. J. Gallop[131], P. Gallus[128], G. Galster[36], K. K. Gan[111], J. Gao[33b,85], Y. S. Gao[144,e], F. M. Garay Walls[46], F. Garberson[177], C. García[168], J. E. García Navarro[168], M. Garcia-Sciveres[15], R. W. Gardner[31], N. Garelli[144], V. Garonne[30], C. Gatti[47], G. Gaudio[121a], B. Gaur[142], L. Gauthier[95], P. Gauzzi[133a,133b], I. L. Gavrilenko[96], C. Gay[169], G. Gaycken[21], E. N. Gazis[10], P. Ge[33d], Z. Gecse[169], C. N. P. Gee[131], D. A. A. Geerts[107], Ch. Geich-Gimbel[21], C. Gemme[50a], M. H. Genest[55], S. Gentile[133a,133b], M. George[54], S. George[77], D. Gerbaudo[164], A. Gershon[154], H. Ghazlane[136b], N. Ghodbane[34], B. Giacobbe[20a], S. Giagu[133a,133b], V. Giangiobbe[12], P. Giannetti[124a,124b], F. Gianotti[30], B. Gibbard[25], S. M. Gibson[77], M. Gilchriese[15], T. P. S. Gillam[28], D. Gillberg[30], G. Gilles[34], D. M. Gingrich[3,d], N. Giokaris[9], M. P. Giordani[165a,165c], F. M. Giorgi[20a], F. M. Giorgi[16], P. F. Giraud[137], D. Giugni[91a], C. Giuliani[48], M. Giulini[58b], B. K. Gjelsten[119], S. Gkaitatzis[155], I. Gkialas[155], E. L. Gkougkousis[117], L. K. Gladilin[99], C. Glasman[82], J. Glatzer[30], P. C. F. Glaysher[46], A. Glazov[42], G. L. Glonti[62], M. Goblirsch-Kolb[101], J. R. Goddard[76], J. Godlewski[39], S. Goldfarb[89], T. Golling[49], D. Golubkov[130], A. Gomes[126a,126b,126d], R. Gonçalo[126a], J. Goncalves Pinto Firmino Da Costa[137], L. Gonella[21], S. González de la Hoz[168], G. Gonzalez Parra[12], S. Gonzalez-Sevilla[49], L. Goossens[30], P. A. Gorbounov[97], H. A. Gordon[25], I. Gorelov[105], B. Gorini[30], E. Gorini[73a,73b], A. Gorišek[75], E. Gornicki[39], A. T. Goshaw[45], C. Gössling[43], M. I. Gostkin[65], M. Gouighri[136a], D. Goujdami[136c], A. G. Goussiou[139], H. M. X. Grabas[138], L. Graber[54], I. Grabowska-Bold[38a], P. Grafström[20a,20b], K-J. Grahn[42], J. Gramling[49], E. Gramstad[119], S. Grancagnolo[16], V. Grassi[149], V. Gratchev[123], H. M. Gray[30], E. Graziani[135a], Z. D. Greenwood[79,o], K. Gregersen[78], I. M. Gregor[42], P. Grenier[144], J. Griffiths[8], A. A. Grillo[138], K. Grimm[72], S. Grinstein[12,p], Ph. Gris[34], Y. V. Grishkevich[99], J.-F. Grivaz[117], J. P. Grohs[44], A. Grohsjean[42], E. Gross[173], J. Grosse-Knetter[54], G. C. Grossi[134a,134b], Z. J. Grout[150], L. Guan[33b], J. Guenther[128], F. Guescini[49], D. Guest[177], O. Gueta[154], E. Guido[50a,50b], T. Guillemin[117], S. Guindon[2], U. Gul[53], C. Gumpert[44], J. Guo[33e], S. Gupta[120], P. Gutierrez[113], N. G. Gutierrez Ortiz[53], C. Gutschow[44], N. Guttman[154], C. Guyot[137], C. Gwenlan[120], C. B. Gwilliam[74], A. Haas[110], C. Haber[15], H. K. Hadavand[8], N. Haddad[136e], P. Haefner[21], S. Hageböck[21], Z. Hajduk[39], H. Hakobyan[178], M. Haleem[42], J. Haley[114], D. Hall[120], G. Halladjian[90], G. D. Hallewell[85], K. Hamacher[176], P. Hamal[115], K. Hamano[170], M. Hamer[54], A. Hamilton[146a], S. Hamilton[162], G. N. Hamity[146c], P. G. Hamnett[42], L. Han[33b], K. Hanagaki[118], K. Hanawa[156], M. Hance[15], P. Hanke[58a], R. Hanna[137], J. B. Hansen[36], J. D. Hansen[36], P. H. Hansen[36], K. Hara[161], A. S. Hard[174], T. Harenberg[176], F. Hariri[117], S. Harkusha[92], R. D. Harrington[46], P. F. Harrison[171], F. Hartjes[107], M. Hasegawa[67], S. Hasegawa[103], Y. Hasegawa[141], A. Hasib[113], S. Hassani[137], S. Haug[17], R. Hauser[90], L. Hauswald[44], M. Havranek[127], C. M. Hawkes[18], R. J. Hawkings[30], A. D. Hawkins[81], T. Hayashi[161], D. Hayden[90], C. P. Hays[120], J. M. Hays[76], H. S. Hayward[74], S. J. Haywood[131], S. J. Head[18], T. Heck[83], V. Hedberg[81], L. Heelan[8], S. Heim[122], T. Heim[176], B. Heinemann[15], L. Heinrich[110], J. Hejbal[127], L. Helary[22], M. Heller[30], S. Hellman[147a,147b], D. Hellmich[21], C. Helsens[30], J. Henderson[120], R. C. W. Henderson[72], Y. Heng[174], C. Hengler[42], A. Henrichs[177], A. M. Henriques Correia[30], S. Henrot-Versille[117], G. H. Herbert[16], Y. Hernández Jiménez[168], R. Herrberg-Schubert[16], G. Herten[48], R. Hertenberger[100], L. Hervas[30], G. G. Hesketh[78], N. P. Hessey[107], R. Hickling[76], E. Higón-Rodriguez[168], E. Hill[170], J. C. Hill[28], K. H. Hiller[42], S. J. Hillier[18], I. Hinchliffe[15], E. Hines[122], R. R. Hinman[15], M. Hirose[158], D. Hirschbuehl[176], J. Hobbs[149], N. Hod[107], M. C. Hodgkinson[140], P. Hodgson[140], A. Hoecker[30], M. R. Hoeferkamp[105], F. Hoenig[100], M. Hohlfeld[83], T. R. Holmes[15], T. M. Hong[122], L. Hooft van Huysduynen[110], W. H. Hopkins[116], Y. Horii[103], A. J. Horton[143], J-Y. Hostachy[55], S. Hou[152], A. Hoummada[136a], J. Howard[120], J. Howarth[42], M. Hrabovsky[115], I. Hristova[16], J. Hrivnac[117], T. Hryn'ova[5], A. Hrynevich[93], C. Hsu[146c], P. J. Hsu[152,q], S.-C. Hsu[139], D. Hu[35], Q. Hu[33b], X. Hu[89], Y. Huang[42], Z. Hubacek[30], F. Hubaut[85], F. Huegging[21], T. B. Huffman[120], E. W. Hughes[35], G. Hughes[72], M. Huhtinen[30], T. A. Hülsing[83], N. Huseynov[65,b], J. Huston[90], J. Huth[57], G. Iacobucci[49], G. Iakovidis[25], I. Ibragimov[142], L. Iconomidou-Fayard[117], E. Ideal[177], Z. Idrissi[136e], P. Iengo[104a], O. Igonkina[107], T. Iizawa[172], Y. Ikegami[66], K. Ikematsu[142], M. Ikeno[66], Y. Ilchenko[31,r], D. Iliadis[155], N. Ilic[159], Y. Inamaru[67], T. Ince[101], P. Ioannou[9], M. Iodice[135a], K. Iordanidou[9], V. Ippolito[57], A. Irles Quiles[168], C. Isaksson[167], M. Ishino[68], M. Ishitsuka[158], R. Ishmukhametov[111], C. Issever[120], S. Istin[19a], J. M. Iturbe Ponce[84], R. Iuppa[134a,134b], J. Ivarsson[81], W. Iwanski[39], H. Iwasaki[66], J. M. Izen[41], V. Izzo[104a], S. Jabbar[3], B. Jackson[122], M. Jackson[74], P. Jackson[1], T. D. Jacques[s], M. R. Jaekel[30], V. Jain[2], K. Jakobs[48],

S. Jakobsen[30], T. Jakoubek[127], J. Jakubek[128], D. O. Jamin[152], D. K. Jana[79], E. Jansen[78], R. W. Jansky[62], J. Janssen[21], M. Janus[171], G. Jarlskog[81], N. Javadov[65,b], T. Javůrek[48], L. Jeanty[15], J. Jejelava[51a,t], G.-Y. Jeng[151], D. Jennens[88], P. Jenni[48,u], J. Jentzsch[43], C. Jeske[171], S. Jézéquel[5], H. Ji[174], J. Jia[149], Y. Jiang[33b], J. Jimenez Pena[168], S. Jin[33a], A. Jinaru[26a], O. Jinnouchi[158], M. D. Joergensen[36], P. Johansson[140], K. A. Johns[7], K. Jon-And[147a,147b], G. Jones[171], R. W. L. Jones[72], T. J. Jones[74], J. Jongmanns[58a], P. M. Jorge[126a,126b], K. D. Joshi[84], J. Jovicevic[148], X. Ju[174], C. A. Jung[43], P. Jussel[62], A. Juste Rozas[12,p], M. Kaci[168], A. Kaczmarska[39], M. Kado[117], H. Kagan[111], M. Kagan[144], S. J. Kahn[85], E. Kajomovitz[45], C. W. Kalderon[120], S. Kama[40], A. Kamenshchikov[130], N. Kanaya[156], M. Kaneda[30], S. Kaneti[28], V. A. Kantserov[98], J. Kanzaki[66], B. Kaplan[110], A. Kapliy[31], D. Kar[53], K. Karakostas[10], A. Karamaoun[3], N. Karastathis[10,107], M. J. Kareem[54], M. Karnevskiy[83], S. N. Karpov[65], Z. M. Karpova[65], K. Karthik[110], V. Kartvelishvili[72], A. N. Karyukhin[130], L. Kashif[174], R. D. Kass[111], A. Kastanas[14], Y. Kataoka[156], A. Katre[49], J. Katzy[42], K. Kawagoe[70], T. Kawamoto[156], G. Kawamura[54], S. Kazama[156], V. F. Kazanin[109,c], M. Y. Kazarinov[65], R. Keeler[170], R. Kehoe[40], M. Keil[54], J. S. Keller[42], J. J. Kempster[77], H. Keoshkerian[84], O. Kepka[127], B. P. Kerševan[75], S. Kersten[176], R. A. Keyes[87], F. Khalil-zada[11], H. Khandanyan[147a,147b], A. Khanov[114], A. G. Kharlamov[109], A. Khodinov[98], A. Khomich[58a], T. J. Khoo[28], G. Khoriauli[21], V. Khovanskiy[97], E. Khramov[65], J. Khubua[51b,v], H. Y. Kim[8], H. Kim[147a,147b], S. H. Kim[161], N. Kimura[155], O. M. Kind[16], B. T. King[74], M. King[168], R. S. B. King[120], S. B. King[169], J. Kirk[131], A. E. Kiryunin[101], T. Kishimoto[67], D. Kisielewska[38a], F. Kiss[48], K. Kiuchi[161], E. Kladiva[145b], M. H. Klein[35], M. Klein[74], U. Klein[74], K. Kleinknecht[83], P. Klimek[147a,147b], A. Klimentov[25], R. Klingenberg[43], J. A. Klinger[84], T. Klioutchnikova[30], P. F. Klok[106], E.-E. Kluge[58a], P. Kluit[107], S. Kluth[101], E. Kneringer[62], E. B. F. G. Knoops[85], A. Knue[53], D. Kobayashi[158], T. Kobayashi[156], M. Kobel[44], M. Kocian[144], P. Kodys[129], T. Koffas[29], E. Koffeman[107], L. A. Kogan[120], S. Kohlmann[176], Z. Kohout[128], T. Kohriki[66], T. Koi[144], H. Kolanoski[16], I. Koletsou[5], A. A. Komar[96,*], Y. Komori[156], T. Kondo[66], N. Kondrashova[42], K. Köneke[48], A. C. König[106], S. König[83], T. Kono[66,w], R. Konoplich[110,x], N. Konstantinidis[78], R. Kopeliansky[153], S. Koperny[38a], L. Köpke[83], A. K. Kopp[48], K. Korcyl[39], K. Kordas[155], A. Korn[78], A. A. Korol[109,c], I. Korolkov[12], E. V. Korolkova[140], O. Kortner[101], S. Kortner[101], T. Kosek[129], V. V. Kostyukhin[21], V. M. Kotov[65], A. Kotwal[45], A. Kourkoumeli-Charalampidi[155], C. Kourkoumelis[9], V. Kouskoura[25], A. Koutsman[160a], R. Kowalewski[170], T. Z. Kowalski[38a], W. Kozanecki[137], A. S. Kozhin[130], V. A. Kramarenko[99], G. Kramberger[75], D. Krasnopevtsev[98], M. W. Krasny[80], A. Krasznahorkay[30], J. K. Kraus[21], A. Kravchenko[25], S. Kreiss[110], M. Kretz[58c], J. Kretzschmar[74], K. Kreutzfeldt[52], P. Krieger[159], K. Krizka[31], K. Kroeninger[43], H. Kroha[101], J. Kroll[122], J. Kroseberg[21], J. Krstic[13], U. Kruchonak[65], H. Krüger[21], N. Krumnack[64], Z. V. Krumshteyn[65], A. Kruse[174], M. C. Kruse[45], M. Kruskal[22], T. Kubota[88], H. Kucuk[78], S. Kuday[4b], S. Kuehn[48], A. Kugel[58c], F. Kuger[175], A. Kuhl[138], T. Kuhl[42], V. Kukhtin[65], Y. Kulchitsky[92], S. Kuleshov[32b], M. Kuna[133a,133b], T. Kunigo[68], A. Kupco[127], H. Kurashige[67], Y. A. Kurochkin[92], R. Kurumida[67], V. Kus[127], E. S. Kuwertz[148], M. Kuze[158], J. Kvita[115], T. Kwan[170], D. Kyriazopoulos[140], A. La Rosa[49], J. L. La Rosa Navarro[24d], L. La Rotonda[37a,37b], C. Lacasta[168], F. Lacava[133a,133b], J. Lacey[29], H. Lacker[16], D. Lacour[80], V. R. Lacuesta[168], E. Ladygin[65], R. Lafaye[5], B. Laforge[80], T. Lagouri[177], S. Lai[48], L. Lambourne[78], S. Lammers[61], C. L. Lampen[7], W. Lampl[7], E. Lançon[137], U. Landgraf[48], M. P. J. Landon[76], V. S. Lang[58a], A. J. Lankford[164], F. Lanni[25], K. Lantzsch[30], S. Laplace[80], C. Lapoire[30], J. F. Laporte[137], T. Lari[91a], F. Lasagni Manghi[20a,20b], M. Lassnig[30], P. Laurelli[47], W. Lavrijsen[15], A. T. Law[138], P. Laycock[74], O. Le Dortz[80], E. Le Guirriec[85], E. Le Menedeu[12], T. LeCompte[6], F. Ledroit-Guillon[55], C. A. Lee[146b], S. C. Lee[152], L. Lee[1], G. Lefebvre[80], M. Lefebvre[170], F. Legger[100], C. Leggett[15], A. Lehan[74], G. Lehmann Miotto[30], X. Lei[7], W. A. Leight[29], A. Leisos[155], A. G. Leister[177], M. A. L. Leite[24d], R. Leitner[129], D. Lellouch[173], B. Lemmer[54], K. J. C. Leney[78], T. Lenz[21], G. Lenzen[176], B. Lenzi[30], R. Leone[7], S. Leone[124a,124b], C. Leonidopoulos[46], S. Leontsinis[10], C. Leroy[95], C. G. Lester[28], M. Levchenko[123], J. Levêque[5], D. Levin[89], L. J. Levinson[173], M. Levy[18], A. Lewis[120], A. M. Leyko[21], M. Leyton[41], B. Li[33b,y], B. Li[85], H. Li[149], H. L. Li[31], L. Li[45], L. Li[33e], S. Li[45], Y. Li[33c,z], Z. Liang[138], H. Liao[34], B. Liberti[134a], P. Lichard[30], K. Lie[166], J. Liebal[21], W. Liebig[14], C. Limbach[21], A. Limosani[151], S. C. Lin[152,aa], T. H. Lin[83], F. Linde[107], B. E. Lindquist[149], J. T. Linnemann[90], E. Lipeles[122], A. Lipniacka[14], M. Lisovyi[42], T. M. Liss[166], D. Lissauer[25], A. Lister[169], A. M. Litke[138], B. Liu[152], D. Liu[152], J. Liu[85], J. B. Liu[33b], K. Liu[85], L. Liu[89], M. Liu[45], M. Liu[33b], Y. Liu[33b], M. Livan[121a,121b], A. Lleres[55], J. Llorente Merino[82], S. L. Lloyd[76], F. Lo Sterzo[152], E. Lobodzinska[42], P. Loch[7], W. S. Lockman[138], F. K. Loebinger[84], A. E. Loevschall-Jensen[36], A. Loginov[177], T. Lohse[16], K. Lohwasser[42], M. Lokajicek[127], B. A. Long[22], J. D. Long[89], R. E. Long[72], K. A. Looper[111], L. Lopes[126a], D. Lopez Mateos[57], B. Lopez Paredes[140], I. Lopez Paz[12], J. Lorenz[100], N. Lorenzo Martinez[61], M. Losada[163], P. Loscutoff[15], P. J. Lösel[100], X. Lou[33a], A. Lounis[117], J. Love[6], P. A. Love[72], N. Lu[89], H. J. Lubatti[139], C. Luci[133a,133b], A. Lucotte[55], F. Luehring[61], W. Lukas[62], L. Luminari[133a], O. Lundberg[147a,147b], B. Lund-Jensen[148], M. Lungwitz[83], D. Lynn[25], R. Lysak[127], E. Lytken[81], H. Ma[25], L. L. Ma[33d], G. Maccarrone[47], A. Macchiolo[101], J. Machado Miguens[126a,126b], D. Macina[30], D. Madaffari[85], R. Madar[34], H. J. Maddocks[72], W. F. Mader[44], A. Madsen[167], T. Maeno[25], A. Maevskiy[99], E. Magradze[54], K. Mahboubi[48], J. Mahlstedt[107], S. Mahmoud[74], C. Maiani[137], C. Maidantchik[24a], A. A. Maier[101], A. Maio[126a,126b,126d], S. Majewski[116], Y. Makida[66], N. Makovec[117],

B. Malaescu[80], Pa. Malecki[39], V. P. Maleev[123], F. Malek[55], U. Mallik[63], D. Malon[6], C. Malone[144], S. Maltezos[10], V. M. Malyshev[109], S. Malyukov[30], J. Mamuzic[42], B. Mandelli[30], L. Mandelli[91a], I. Mandić[75], R. Mandrysch[63], J. Maneira[126a,126b], A. Manfredini[101], L. Manhaes de Andrade Filho[24b], J. Manjarres Ramos[160b], A. Mann[100], P. M. Manning[138], A. Manousakis-Katsikakis[9], B. Mansoulie[137], R. Mantifel[87], M. Mantoani[54], L. Mapelli[30], L. March[146c], G. Marchiori[80], M. Marcisovsky[127], C. P. Marino[170], M. Marjanovic[13], F. Marroquim[24a], S. P. Marsden[84], Z. Marshall[15], L. F. Marti[17], S. Marti-Garcia[168], B. Martin[90], T. A. Martin[171], V. J. Martin[46], B. Martin dit Latour[14], H. Martinez[137], M. Martinez[12,p], S. Martin-Haugh[131], A. C. Martyniuk[78], M. Marx[139], F. Marzano[133a], A. Marzin[30], L. Masetti[83], T. Mashimo[156], R. Mashinistov[96], J. Masik[84], A. L. Maslennikov[109,c], I. Massa[20a,20b], L. Massa[20a,20b], N. Massol[5], P. Mastrandrea[149], A. Mastroberardino[37a,37b], T. Masubuchi[156], P. Mättig[176], J. Mattmann[83], J. Maurer[26a], S. J. Maxfield[74], D. A. Maximov[109,c], R. Mazini[152], S. M. Mazza[91a,91b], L. Mazzaferro[134a,134b], G. Mc Goldrick[159], S. P. Mc Kee[89], A. McCarn[89], R. L. McCarthy[149], T. G. McCarthy[29], N. A. McCubbin[131], K. W. McFarlane[56,*], J. A. Mcfayden[78], G. Mchedlidze[54], S. J. McMahon[131], R. A. McPherson[170,k], J. Mechnich[107], M. Medinnis[42], S. Meehan[146a], S. Mehlhase[100], A. Mehta[74], K. Meier[58a], C. Meineck[100], B. Meirose[41], C. Melachrinos[31], B. R. Mellado Garcia[146c], F. Meloni[17], A. Mengarelli[20a,20b], S. Menke[101], E. Meoni[162], K. M. Mercurio[57], S. Mergelmeyer[21], N. Meric[137], P. Mermod[49], L. Merola[104a,104b], C. Meroni[91a], F. S. Merritt[31], H. Merritt[111], A. Messina[30,ab], J. Metcalfe[25], A. S. Mete[164], C. Meyer[83], C. Meyer[122], J-P. Meyer[137], J. Meyer[107], R. P. Middleton[131], S. Migas[74], S. Miglioranzi[165a,165c], L. Mijović[21], G. Mikenberg[173], M. Mikestikova[127], M. Mikuž[75], A. Milic[30], D. W. Miller[31], C. Mills[46], A. Milov[173], D. A. Milstead[147a,147b], A. A. Minaenko[130], Y. Minami[156], I. A. Minashvili[65], A. I. Mincer[110], B. Mindur[38a], M. Mineev[65], Y. Ming[174], L. M. Mir[12], G. Mirabelli[133a], T. Mitani[172], J. Mitrevski[100], V. A. Mitsou[168], A. Miucci[49], P. S. Miyagawa[140], J. U. Mjörnmark[81], T. Moa[147a,147b], K. Mochizuki[85], S. Mohapatra[35], W. Mohr[48], S. Molander[147a,147b], R. Moles-Valls[168], K. Mönig[42], C. Monini[55], J. Monk[36], E. Monnier[85], J. Montejo Berlingen[12], F. Monticelli[71], S. Monzani[133a,133b], R. W. Moore[3], N. Morange[117], D. Moreno[163], M. Moreno Llácer[54], P. Morettini[50a], M. Morgenstern[44], M. Morii[57], V. Morisbak[119], S. Moritz[83], A. K. Morley[148], G. Mornacchi[30], J. D. Morris[76], A. Morton[53], L. Morvaj[103], H. G. Moser[101], M. Mosidze[51b], J. Moss[111], K. Motohashi[158], R. Mount[144], E. Mountricha[25], S. V. Mouraviev[96,*], E. J. W. Moyse[86], S. Muanza[85], R. D. Mudd[18], F. Mueller[101], J. Mueller[125], K. Mueller[21], R. S. P. Mueller[100], T. Mueller[28], D. Muenstermann[49], P. Mullen[53], Y. Munwes[154], J. A. Murillo Quijada[18], W. J. Murray[171,131], H. Musheghyan[54], E. Musto[153], A. G. Myagkov[130,ac], M. Myska[128], O. Nackenhorst[54], J. Nadal[54], K. Nagai[120], R. Nagai[158], Y. Nagai[85], K. Nagano[66], A. Nagarkar[111], Y. Nagasaka[59], K. Nagata[161], M. Nagel[101], E. Nagy[85], A. M. Nairz[30], Y. Nakahama[30], K. Nakamura[66], T. Nakamura[156], I. Nakano[112], H. Namasivayam[41], G. Nanava[21], R. F. Naranjo Garcia[42], R. Narayan[58b], T. Nattermann[21], T. Naumann[42], G. Navarro[163], R. Nayyar[7], H. A. Neal[89], P. Yu. Nechaeva[96], T. J. Neep[84], P. D. Nef[144], A. Negri[121a,121b], M. Negrini[20a], S. Nektarijevic[106], C. Nellist[117], A. Nelson[164], S. Nemecek[127], P. Nemethy[110], A. A. Nepomuceno[24a], M. Nessi[30,ad], M. S. Neubauer[166], M. Neumann[176], R. M. Neves[110], P. Nevski[25], P. R. Newman[18], D. H. Nguyen[6], R. B. Nickerson[120], R. Nicolaidou[137], B. Nicquevert[30], J. Nielsen[138], N. Nikiforou[35], A. Nikiforov[16], V. Nikolaenko[130,ac], I. Nikolic-Audit[80], K. Nikolopoulos[18], P. Nilsson[25], Y. Ninomiya[156], A. Nisati[133a], R. Nisius[101], T. Nobe[158], M. Nomachi[118], I. Nomidis[29], S. Norberg[113], M. Nordberg[30], O. Novgorodova[44], S. Nowak[101], M. Nozaki[66], L. Nozka[115], K. Ntekas[10], G. Nunes Hanninger[88], T. Nunnemann[100], E. Nurse[78], F. Nuti[88], B. J. O'Brien[46], F. O'grady[7], D. C. O'Neil[143], V. O'Shea[53], F. G. Oakham[29,d], H. Oberlack[101], T. Obermann[21], J. Ocariz[80], A. Ochi[67], I. Ochoa[78], S. Oda[70], S. Odaka[66], H. Ogren[61], A. Oh[84], S. H. Oh[45], C. C. Ohm[15], H. Ohman[167], H. Oide[30], W. Okamura[118], H. Okawa[161], Y. Okumura[31], T. Okuyama[156], A. Olariu[26a], A. G. Olchevski[65], S. A. Olivares Pino[46], D. Oliveira Damazio[25], E. Oliver Garcia[168], A. Olszewski[39], J. Olszowska[39], A. Onofre[126a,126e], P. U. E. Onyisi[31,r], C. J. Oram[160a], M. J. Oreglia[31], Y. Oren[154], D. Orestano[135a,135b], N. Orlando[155], C. Oropeza Barrera[53], R. S. Orr[159], B. Osculati[50a,50b], R. Ospanov[84], G. Otero y Garzon[27], H. Otono[70], M. Ouchrif[136d], E. A. Ouellette[170], F. Ould-Saada[119], A. Ouraou[137], K. P. Oussoren[107], Q. Ouyang[33a], A. Ovcharova[15], M. Owen[53], R. E. Owen[18], V. E. Ozcan[19a], N. Ozturk[8], K. Pachal[120], A. Pacheco Pages[12], C. Padilla Aranda[12], M. Pagáčová[48], S. Pagan Griso[15], E. Paganis[140], C. Pahl[101], F. Paige[25], P. Pais[86], K. Pajchel[119], G. Palacino[160b], S. Palestini[30], M. Palka[38b], D. Pallin[34], A. Palma[126a,126b], Y. B. Pan[174], E. Panagiotopoulou[10], C. E. Pandini[80], J. G. Panduro Vazquez[77], P. Pani[147a,147b], N. Panikashvili[89], S. Panitkin[25], L. Paolozzi[134a,134b], Th. D. Papadopoulou[10], K. Papageorgiou[155], A. Paramonov[6], D. Paredes Hernandez[155], M. A. Parker[28], K. A. Parker[140], F. Parodi[50a,50b], J. A. Parsons[35], U. Parzefall[48], E. Pasqualucci[133a], S. Passaggio[50a], F. Pastore[135a,135b,*], Fr. Pastore[77], G. Pásztor[29], S. Pataraia[176], N. D. Patel[151], J. R. Pater[84], T. Pauly[30], J. Pearce[170], L. E. Pedersen[36], M. Pedersen[119], S. Pedraza Lopez[168], R. Pedro[126a,126b], S. V. Peleganchuk[109], D. Pelikan[167], H. Peng[33b], B. Penning[31], J. Penwell[61], D. V. Perepelitsa[25], E. Perez Codina[160a], M. T. Pérez García-Estañ[168], L. Perini[91a,91b], H. Pernegger[30], S. Perrella[104a,104b], R. Peschke[42], V. D. Peshekhonov[65], K. Peters[30], R. F. Y. Peters[84], B. A. Petersen[30], T. C. Petersen[36], E. Petit[42], A. Petridis[147a,147b], C. Petridou[155],

E. Petrolo[133a], F. Petrucci[135a,135b], N. E. Pettersson[158], R. Pezoa[32b], P. W. Phillips[131], G. Piacquadio[144], E. Pianori[171], A. Picazio[49], E. Piccaro[76], M. Piccinini[20a,20b], M. A. Pickering[120], R. Piegaia[27], D. T. Pignotti[111], J. E. Pilcher[31], A. D. Pilkington[78], J. Pina[126a,126b,126d], M. Pinamonti[165a,165c,m], J. L. Pinfold[3], A. Pingel[36], B. Pinto[126a], S. Pires[80], M. Pitt[173], C. Pizio[91a,91b], L. Plazak[145a], M.-A. Pleier[25], V. Pleskot[129], E. Plotnikova[65], P. Plucinski[147a,147b], D. Pluth[64], R. Poettgen[83], L. Poggioli[117], D. Pohl[21], G. Polesello[121a], A. Policicchio[37a,37b], R. Polifka[159], A. Polini[20a], C. S. Pollard[53], V. Polychronakos[25], K. Pommès[30], L. Pontecorvo[133a], B. G. Pope[90], G. A. Popeneciu[26b], D. S. Popovic[13], A. Poppleton[30], S. Pospisil[128], K. Potamianos[15], I. N. Potrap[65], C. J. Potter[150], C. T. Potter[116], G. Poulard[30], J. Poveda[30], V. Pozdnyakov[65], P. Pralavorio[85], A. Pranko[15], S. Prasad[30], S. Prell[64], D. Price[84], J. Price[74], L. E. Price[6], M. Primavera[73a], S. Prince[87], M. Proissl[46], K. Prokofiev[60c], F. Prokoshin[32b], E. Protopapadaki[137], S. Protopopescu[25], J. Proudfoot[6], M. Przybycien[38a], E. Ptacek[116], D. Puddu[135a,135b], E. Pueschel[86], D. Puldon[149], M. Purohit[25,ae], P. Puzo[117], J. Qian[89], G. Qin[53], Y. Qin[84], A. Quadt[54], D. R. Quarrie[15], W. B. Quayle[165a,165b], M. Queitsch-Maitland[84], D. Quilty[53], A. Qureshi[160b], V. Radeka[25], V. Radescu[42], S. K. Radhakrishnan[149], P. Radloff[116], P. Rados[88], F. Ragusa[91a,91b], G. Rahal[179], S. Rajagopalan[25], M. Rammensee[30], C. Rangel-Smith[167], F. Rauscher[100], S. Rave[83], T. C. Rave[48], T. Ravenscroft[53], M. Raymond[30], A. L. Read[119], N. P. Readioff[74], D. M. Rebuzzi[121a,121b], A. Redelbach[175], G. Redlinger[25], R. Reece[138], K. Reeves[41], L. Rehnisch[16], H. Reisin[27], M. Relich[164], C. Rembser[30], H. Ren[33a], A. Renaud[117], M. Rescigno[133a], S. Resconi[91a], O. L. Rezanova[109,c], P. Reznicek[129], R. Rezvani[95], R. Richter[101], E. Richter-Was[38b], M. Ridel[80], P. Rieck[16], C. J. Riegel[176], J. Rieger[54], M. Rijssenbeek[149], A. Rimoldi[121a,121b], L. Rinaldi[20a], A. W. Riotto[s], E. Ritsch[62], I. Riu[12], F. Rizatdinova[114], E. Rizvi[76], S. H. Robertson[87,k], A. Robichaud-Veronneau[87], D. Robinson[28], J. E. M. Robinson[84], A. Robson[53], C. Roda[124a,124b], L. Rodrigues[30], S. Roe[30], O. Røhne[119], S. Rolli[162], A. Romaniouk[98], M. Romano[20a,20b], S. M. Romano Saez[34], E. Romero Adam[168], N. Rompotis[139], M. Ronzani[48], L. Roos[80], E. Ros[168], S. Rosati[133a], K. Rosbach[48], P. Rose[138], P. L. Rosendahl[14], O. Rosenthal[142], V. Rossetti[147a,147b], E. Rossi[104a,104b], L. P. Rossi[50a], R. Rosten[139], M. Rotaru[26a], I. Roth[173], J. Rothberg[139], D. Rousseau[117], C. R. Royon[137], A. Rozanov[85], Y. Rozen[153], X. Ruan[146c], F. Rubbo[12], I. Rubinskiy[42], V. I. Rud[99], C. Rudolph[44], M. S. Rudolph[159], F. Rühr[48], A. Ruiz-Martinez[30], Z. Rurikova[48], N. A. Rusakovich[65], A. Ruschke[100], H. L. Russell[139], J. P. Rutherfoord[7], N. Ruthmann[48], Y. F. Ryabov[123], M. Rybar[129], G. Rybkin[117], N. C. Ryder[120], A. F. Saavedra[151], G. Sabato[107], S. Sacerdoti[27], A. Saddique[3], H. F-W. Sadrozinski[138], R. Sadykov[65], F. Safai Tehrani[133a], M. Saimpert[137], H. Sakamoto[156], Y. Sakurai[172], G. Salamanna[135a,135b], A. Salamon[134a], M. Saleem[113], D. Salek[107], P. H. Sales De Bruin[139], D. Salihagic[101], A. Salnikov[144], J. Salt[168], D. Salvatore[37a,37b], F. Salvatore[150], A. Salvucci[106], A. Salzburger[30], D. Sampsonidis[155], A. Sanchez[104a,104b], J. Sánchez[168], V. Sanchez Martinez[168], H. Sandaker[14], R. L. Sandbach[76], H. G. Sander[83], M. P. Sanders[100], M. Sandhoff[176], C. Sandoval[163], R. Sandstroem[101], D. P. C. Sankey[131], A. Sansoni[47], C. Santoni[34], R. Santonico[134a,134b], H. Santos[126a], I. Santoyo Castillo[150], K. Sapp[125], A. Sapronov[65], J. G. Saraiva[126a,126d], B. Sarrazin[21], O. Sasaki[66], Y. Sasaki[156], K. Sato[161], G. Sauvage[5,*], E. Sauvan[5], G. Savage[77], P. Savard[159,d], C. Sawyer[120], L. Sawyer[79,o], D. H. Saxon[53], J. Saxon[31], C. Sbarra[20a], A. Sbrizzi[20a,20b], T. Scanlon[78], D. A. Scannicchio[164], M. Scarcella[151], V. Scarfone[37a,37b], J. Schaarschmidt[173], P. Schacht[101], D. Schaefer[30], R. Schaefer[42], J. Schaeffer[83], S. Schaepe[21], S. Schaetzel[58b], U. Schäfer[83], A. C. Schaffer[117], D. Schaile[100], R. D. Schamberger[149], V. Scharf[58a], V. A. Schegelsky[123], D. Scheirich[129], M. Schernau[164], C. Schiavi[50a,50b], C. Schillo[48], M. Schioppa[37a,37b], S. Schlenker[30], E. Schmidt[48], K. Schmieden[30], C. Schmitt[83], S. Schmitt[58b], B. Schneider[160a], Y. J. Schnellbach[74], U. Schnoor[44], L. Schoeffel[137], A. Schoening[58b], B. D. Schoenrock[90], A. L. S. Schorlemmer[54], M. Schott[83], D. Schouten[160a], J. Schovancova[8], S. Schramm[159], M. Schreyer[175], C. Schroeder[83], N. Schuh[83], M. J. Schultens[21], H.-C. Schultz-Coulon[58a], H. Schulz[16], M. Schumacher[48], B. A. Schumm[138], Ph. Schune[137], C. Schwanenberger[84], A. Schwartzman[144], T. A. Schwarz[89], Ph. Schwegler[101], Ph. Schwemling[137], R. Schwienhorst[90], J. Schwindling[137], T. Schwindt[21], M. Schwoerer[5], F. G. Sciacca[17], E. Scifo[117], G. Sciolla[23], F. Scuri[124a,124b], F. Scutti[21], J. Searcy[89], G. Sedov[42], E. Sedykh[123], P. Seema[21], S. C. Seidel[105], A. Seiden[138], F. Seifert[128], J. M. Seixas[24a], G. Sekhniaidze[104a], S. J. Sekula[40], K. E. Selbach[46], D. M. Seliverstov[123,*], N. Semprini-Cesari[20a,20b], C. Serfon[30], L. Serin[117], L. Serkin[54], T. Serre[85], R. Seuster[160a], H. Severini[113], T. Sfiligoj[75], F. Sforza[101], A. Sfyrla[30], E. Shabalina[54], M. Shamim[116], L. Y. Shan[33a], R. Shang[166], J. T. Shank[22], M. Shapiro[15], P. B. Shatalov[97], K. Shaw[165a,165b], A. Shcherbakova[147a,147b], C. Y. Shehu[150], P. Sherwood[78], L. Shi[152,af], S. Shimizu[67], C. O. Shimmin[164], M. Shimojima[102], M. Shiyakova[65], A. Shmeleva[96], D. Shoaleh Saadi[95], M. J. Shochet[31], S. Shojaii[91a,91b], S. Shrestha[111], E. Shulga[98], M. A. Shupe[7], S. Shushkevich[42], P. Sicho[127], O. Sidiropoulou[175], D. Sidorov[114], A. Sidoti[20a,20b], F. Siegert[44], Dj. Sijacki[13], J. Silva[126a,126d], Y. Silver[154], D. Silverstein[144], S. B. Silverstein[147a], V. Simak[128], O. Simard[5], Lj. Simic[13], S. Simion[117], E. Simioni[83], B. Simmons[78], D. Simon[34], R. Simoniello[91a,91b], P. Sinervo[159], N. B. Sinev[116], G. Siragusa[175], A. Sircar[79], A. N. Sisakyan[65,*], S. Yu. Sivoklokov[99], J. Sjölin[147a,147b], T. B. Sjursen[14], M. B. Skinner[72], H. P. Skottowe[57], P. Skubic[113], M. Slater[18], T. Slavicek[128], M. Slawinska[107], K. Sliwa[162], V. Smakhtin[173], B. H. Smart[46], L. Smestad[14], S. Yu. Smirnov[98], Y. Smirnov[98], L. N. Smirnova[99,ag], O. Smirnova[81], K. M. Smith[53], M. N. K. Smith[35], M. Smizanska[72], K. Smolek[128],

A. A. Snesarev[96], G. Snidero[76], S. Snyder[25], R. Sobie[170,k], F. Socher[44], A. Soffer[154], D. A. Soh[152,af], C. A. Solans[30], M. Solar[128], J. Solc[128], E. Yu. Soldatov[98], U. Soldevila[168], A. A. Solodkov[130], A. Soloshenko[65], O. V. Solovyanov[130], V. Solovyev[123], P. Sommer[48], H. Y. Song[33b], N. Soni[1], A. Sood[15], A. Sopczak[128], B. Sopko[128], V. Sopko[128], V. Sorin[12], D. Sosa[58b], M. Sosebee[8], C. L. Sotiropoulou[155], R. Soualah[165a,165c], P. Soueid[95], A. M. Soukharev[109,c], D. South[42], S. Spagnolo[73a,73b], F. Spanò[77], W. R. Spearman[57], F. Spettel[101], R. Spighi[20a], G. Spigo[30], L. A. Spiller[88], M. Spousta[129], T. Spreitzer[159], R. D. St. Denis[53,*], S. Staerz[44], J. Stahlman[122], R. Stamen[58a], S. Stamm[16], E. Stanecka[39], C. Stanescu[135a], M. Stanescu-Bellu[42], M. M. Stanitzki[42], S. Stapnes[119], E. A. Starchenko[130], J. Stark[55], P. Staroba[127], P. Starovoitov[42], R. Staszewski[39], P. Stavina[145a,*], P. Steinberg[25], B. Stelzer[143], H. J. Stelzer[30], O. Stelzer-Chilton[160a], H. Stenzel[52], S. Stern[101], G. A. Stewart[53], J. A. Stillings[21], M. C. Stockton[87], M. Stoebe[87], G. Stoicea[26a], P. Stolte[54], S. Stonjek[101], A. R. Stradling[8], A. Straessner[44], M. E. Stramaglia[17], J. Strandberg[148], S. Strandberg[147a,147b], A. Strandlie[119], E. Strauss[144], M. Strauss[113], P. Strizenec[145b], R. Ströhmer[175], D. M. Strom[116], R. Stroynowski[40], A. Strubig[106], S. A. Stucci[17], B. Stugu[14], N. A. Styles[42], D. Su[144], J. Su[125], R. Subramaniam[79], A. Succurro[12], Y. Sugaya[118], C. Suhr[108], M. Suk[128], V. V. Sulin[96], S. Sultansoy[4c], T. Sumida[68], S. Sun[57], X. Sun[33a], J. E. Sundermann[48], K. Suruliz[150], G. Susinno[37a,37b], M. R. Sutton[150], Y. Suzuki[66], M. Svatos[127], S. Swedish[169], M. Swiatlowski[144], I. Sykora[145a], T. Sykora[129], D. Ta[90], C. Taccini[135a,135b], K. Tackmann[42], J. Taenzer[159], A. Taffard[164], R. Tafirout[160a], N. Taiblum[154], H. Takai[25], R. Takashima[69], H. Takeda[67], T. Takeshita[141], Y. Takubo[66], M. Talby[85], A. A. Talyshev[109,c], J. Y. C. Tam[175], K. G. Tan[88], J. Tanaka[156], R. Tanaka[117], S. Tanaka[132], S. Tanaka[66], A. J. Tanasijczuk[143], B. B. Tannenwald[111], N. Tannoury[21], S. Tapprogge[83], S. Tarem[153], F. Tarrade[29], G. F. Tartarelli[91a], P. Tas[129], M. Tasevsky[127], T. Tashiro[68], E. Tassi[37a,37b], A. Tavares Delgado[126a,126b], Y. Tayalati[136d], F. E. Taylor[94], G. N. Taylor[88], W. Taylor[160b], F. A. Teischinger[30], M. Teixeira Dias Castanheira[76], P. Teixeira-Dias[77], K. K. Temming[48], H. Ten Kate[30], P. K. Teng[152], J. J. Teoh[118], F. Tepel[176], S. Terada[66], K. Terashi[156], J. Terron[82], S. Terzo[101], M. Testa[47], R. J. Teuscher[159,k], J. Therhaag[21], T. Theveneaux-Pelzer[34], J. P. Thomas[18], J. Thomas-Wilsker[77], E. N. Thompson[35], P. D. Thompson[18], R. J. Thompson[84], A. S. Thompson[53], L. A. Thomsen[36], E. Thomson[122], M. Thomson[28], W. M. Thong[88], R. P. Thun[89,*], F. Tian[35], M. J. Tibbetts[15], R. E. Ticse Torres[85], V. O. Tikhomirov[96,ah], Yu. A. Tikhonov[109,c], S. Timoshenko[98], E. Tiouchichine[85], P. Tipton[177], S. Tisserant[85], T. Todorov[5,*], S. Todorova-Nova[129], J. Tojo[70], S. Tokár[145a], K. Tokushuku[66], K. Tollefson[90], E. Tolley[57], L. Tomlinson[84], M. Tomoto[103], L. Tompkins[144,ai], K. Toms[105], N. D. Topilin[65], E. Torrence[116], H. Torres[143], E. Torró Pastor[168], J. Toth[85,aj], F. Touchard[85], D. R. Tovey[140], H. L. Tran[117], T. Trefzger[175], L. Tremblet[30], A. Tricoli[30], I. M. Trigger[160a], S. Trincaz-Duvoid[80], M. F. Tripiana[12], W. Trischuk[159], B. Trocmé[55], C. Troncon[91a], M. Trottier-McDonald[15], M. Trovatelli[135a,135b], P. True[90], M. Trzebinski[39], A. Trzupek[39], C. Tsarouchas[30], J. C-L. Tseng[120], P. V. Tsiareshka[92], D. Tsionou[155], G. Tsipolitis[10], N. Tsirintanis[9], S. Tsiskaridze[12], V. Tsiskaridze[48], E. G. Tskhadadze[51a], I. I. Tsukerman[97], V. Tsulaia[15], S. Tsuno[66], D. Tsybychev[149], A. Tudorache[26a], V. Tudorache[26a], A. N. Tuna[122], S. A. Tupputi[20a,20b], S. Turchikhin[99,ag], D. Turecek[128], R. Turra[91a,91b], A. J. Turvey[40], P. M. Tuts[35], A. Tykhonov[49], M. Tylmad[147a,147b], M. Tyndel[131], I. Ueda[156], R. Ueno[29], M. Ughetto[85], M. Ugland[14], M. Uhlenbrock[21], F. Ukegawa[161], G. Unal[30], A. Undrus[25], G. Unel[164], F. C. Ungaro[48], Y. Unno[66], C. Unverdorben[100], J. Urban[145b], P. Urquijo[88], P. Urrejola[83], G. Usai[8], A. Usanova[62], L. Vacavant[85], V. Vacek[128], B. Vachon[87], N. Valencic[107], S. Valentinetti[20a,20b], A. Valero[168], L. Valery[12], S. Valkar[129], E. Valladolid Gallego[168], S. Vallecorsa[49], J. A. Valls Ferrer[168], W. Van Den Wollenberg[107], P. C. Van Der Deijl[107], R. van der Geer[107], H. van der Graaf[107], R. Van Der Leeuw[107], N. van Eldik[30], P. van Gemmeren[6], J. Van Nieuwkoop[143], I. van Vulpen[107], M. C. van Woerden[30], M. Vanadia[133a,133b], W. Vandelli[30], R. Vanguri[122], A. Vaniachine[6], F. Vannucci[80], G. Vardanyan[178], R. Vari[133a], E. W. Varnes[7], T. Varol[40], D. Varouchas[80], A. Vartapetian[8], K. E. Varvell[151], F. Vazeille[34], T. Vazquez Schroeder[54], J. Veatch[7], F. Veloso[126a,126c], T. Velz[21], S. Veneziano[133a], A. Ventura[73a,73b], D. Ventura[86], M. Venturi[170], N. Venturi[159], A. Venturini[23], V. Vercesi[121a], M. Verducci[133a,133b], W. Verkerke[107], J. C. Vermeulen[107], A. Vest[44], M. C. Vetterli[143,d], O. Viazlo[81], I. Vichou[166], T. Vickey[146c,ak], O. E. Vickey Boeriu[146c], G. H. A. Viehhauser[120], S. Viel[15], R. Vigne[30], M. Villa[20a,20b], M. Villaplana Perez[91a,91b], E. Vilucchi[47], M. G. Vincter[29], V. B. Vinogradov[65], J. Virzi[15], I. Vivarelli[150], F. Vives Vaque[3], S. Vlachos[10], D. Vladoiu[100], M. Vlasak[128], M. Vogel[32a], P. Vokac[128], G. Volpi[124a,124b], M. Volpi[88], H. von der Schmitt[101], H. von Radziewski[48], E. von Toerne[21], V. Vorobel[129], K. Vorobev[98], M. Vos[168], R. Voss[30], J. H. Vossebeld[74], N. Vranjes[13], M. Vranjes Milosavljevic[13], V. Vrba[127], M. Vreeswijk[107], R. Vuillermet[30], I. Vukotic[31], Z. Vykydal[128], P. Wagner[21], W. Wagner[176], H. Wahlberg[71], S. Wahrmund[44], J. Wakabayashi[103], J. Walder[72], R. Walker[100], W. Walkowiak[142], C. Wang[33c], F. Wang[174], H. Wang[15], H. Wang[40], J. Wang[42], J. Wang[33a], K. Wang[87], R. Wang[105], S. M. Wang[152], T. Wang[21], X. Wang[177], C. Wanotayaroj[116], A. Warburton[87], C. P. Ward[28], D. R. Wardrope[78], M. Warsinsky[48], A. Washbrook[46], C. Wasicki[42], P. M. Watkins[18], A. T. Watson[18], I. J. Watson[151], M. F. Watson[18], G. Watts[139], S. Watts[84], B. M. Waugh[78], S. Webb[84], M. S. Weber[17], S. W. Weber[175], J. S. Webster[31], A. R. Weidberg[120], B. Weinert[61], J. Weingarten[54], C. Weiser[48], H. Weits[107], P. S. Wells[30], T. Wenaus[25], D. Wendland[16], T. Wengler[30], S. Wenig[30], N. Wermes[21], M. Werner[48], P. Werner[30],

M. Wessels[58a], J. Wetter[162], K. Whalen[29], A. M. Wharton[72], A. White[8], M. J. White[1], R. White[32b], S. White[124a,124b], D. Whiteson[164], D. Wicke[176], F. J. Wickens[131], W. Wiedenmann[174], M. Wielers[131], P. Wienemann[21], C. Wiglesworth[36], L. A. M. Wiik-Fuchs[21], A. Wildauer[101], H. G. Wilkens[30], H. H. Williams[122], S. Williams[107], C. Willis[90], S. Willocq[86], A. Wilson[89], J. A. Wilson[18], I. Wingerter-Seez[5], F. Winklmeier[116], B. T. Winter[21], M. Wittgen[144], J. Wittkowski[100], S. J. Wollstadt[83], M. W. Wolter[39], H. Wolters[126a,126c], B. K. Wosiek[39], J. Wotschack[30], M. J. Woudstra[84], K. W. Wozniak[39], M. Wu[55], S. L. Wu[174], X. Wu[49], Y. Wu[89], T. R. Wyatt[84], B. M. Wynne[46], S. Xella[36], D. Xu[33a], L. Xu[33b,al], B. Yabsley[151], S. Yacoob[146b,am], R. Yakabe[67], M. Yamada[66], Y. Yamaguchi[118], A. Yamamoto[66], S. Yamamoto[156], T. Yamanaka[156], K. Yamauchi[103], Y. Yamazaki[67], Z. Yan[22], H. Yang[33e], H. Yang[174], Y. Yang[152], S. Yanush[93], L. Yao[33a], W-M. Yao[15], Y. Yasu[66], E. Yatsenko[42], K. H. Yau Wong[21], J. Ye[40], S. Ye[25], I. Yeletskikh[65], A. L. Yen[57], E. Yildirim[42], K. Yorita[172], R. Yoshida[6], K. Yoshihara[122], C. Young[144], C. J. S. Young[30], S. Youssef[22], D. R. Yu[15], J. Yu[8], J. M. Yu[89], J. Yu[114], L. Yuan[67], A. Yurkewicz[108], I. Yusuff[28,an], B. Zabinski[39], R. Zaidan[63], A. M. Zaitsev[130,ac], A. Zaman[149], S. Zambito[23], L. Zanello[133a,133b], D. Zanzi[88], C. Zeitnitz[176], M. Zeman[128], A. Zemla[38a], K. Zengel[23], O. Zenin[130], T. Ženiš[145a], D. Zerwas[117], D. Zhang[89], F. Zhang[174], J. Zhang[6], L. Zhang[152], R. Zhang[33b], X. Zhang[33d], Z. Zhang[117], X. Zhao[40], Y. Zhao[33d,117], Z. Zhao[33b], A. Zhemchugov[65], J. Zhong[120], B. Zhou[89], C. Zhou[45], L. Zhou[35], L. Zhou[40], N. Zhou[164], C. G. Zhu[33d], H. Zhu[33a], J. Zhu[89], Y. Zhu[33b], X. Zhuang[33a], K. Zhukov[96], A. Zibell[175], D. Zieminska[61], N. I. Zimine[65], C. Zimmermann[83], R. Zimmermann[21], S. Zimmermann[48], Z. Zinonos[54], M. Zinser[83], M. Ziolkowski[142], L. Živković[13], G. Zobernig[174], A. Zoccoli[20a,20b], M. zur Nedden[16], G. Zurzolo[104a,104b], L. Zwalinski[30]

[1] Department of Physics, University of Adelaide, Adelaide, Australia
[2] Physics Department, SUNY Albany, Albany, NY, USA
[3] Department of Physics, University of Alberta, Edmonton, AB, Canada
[4] (a) Department of Physics, Ankara University, Ankara, Turkey; (b) Istanbul Aydin University, Istanbul, Turkey; (c) Division of Physics, TOBB University of Economics and Technology, Ankara, Turkey
[5] LAPP, CNRS/IN2P3 and Université Savoie Mont Blanc, Annecy-le-Vieux, France
[6] High Energy Physics Division, Argonne National Laboratory, Argonne, IL, USA
[7] Department of Physics, University of Arizona, Tucson, AZ, USA
[8] Department of Physics, The University of Texas at Arlington, Arlington, TX, USA
[9] Physics Department, University of Athens, Athens, Greece
[10] Physics Department, National Technical University of Athens, Zografou, Greece
[11] Institute of Physics, Azerbaijan Academy of Sciences, Baku, Azerbaijan
[12] Institut de Física d'Altes Energies and Departament de Física de la Universitat Autònoma de Barcelona, Barcelona, Spain
[13] Institute of Physics, University of Belgrade, Belgrade, Serbia
[14] Department for Physics and Technology, University of Bergen, Bergen, Norway
[15] Physics Division, Lawrence Berkeley National Laboratory and University of California, Berkeley, CA, USA
[16] Department of Physics, Humboldt University, Berlin, Germany
[17] Albert Einstein Center for Fundamental Physics and Laboratory for High Energy Physics, University of Bern, Bern, Switzerland
[18] School of Physics and Astronomy, University of Birmingham, Birmingham, UK
[19] (a) Department of Physics, Bogazici University, Istanbul, Turkey; (b) Department of Physics, Dogus University, Istanbul, Turkey; (c) Department of Physics Engineering, Gaziantep University, Gaziantep, Turkey
[20] (a) INFN Sezione di Bologna, Bologna, Italy; (b) Dipartimento di Fisica e Astronomia, Università di Bologna, Bologna, Italy
[21] Physikalisches Institut, University of Bonn, Bonn, Germany
[22] Department of Physics, Boston University, Boston, MA, USA
[23] Department of Physics, Brandeis University, Waltham, MA, USA
[24] (a) Universidade Federal do Rio De Janeiro COPPE/EE/IF, Rio de Janeiro, Brazil; (b) Electrical Circuits Department, Federal University of Juiz de Fora (UFJF), Juiz de Fora, Brazil; (c) Federal University of Sao Joao del Rei (UFSJ), Sao Joao del Rei, Brazil; (d) Instituto de Fisica, Universidade de Sao Paulo, São Paulo, Brazil
[25] Physics Department, Brookhaven National Laboratory, Upton, NY, USA
[26] (a) National Institute of Physics and Nuclear Engineering, Bucharest, Romania; (b) Physics Department, National Institute for Research and Development of Isotopic and Molecular Technologies, Cluj Napoca, Romania; (c) University Politehnica Bucharest, Bucharest, Romania; (d) West University in Timisoara, Timisoara, Romania
[27] Departamento de Física, Universidad de Buenos Aires, Buenos Aires, Argentina

[28] Cavendish Laboratory, University of Cambridge, Cambridge, UK
[29] Department of Physics, Carleton University, Ottawa, ON, Canada
[30] CERN, Geneva, Switzerland
[31] Enrico Fermi Institute, University of Chicago, Chicago, IL, USA
[32] [(a)] Departamento de Física, Pontificia Universidad Católica de Chile, Santiago, Chile; [(b)] Departamento de Física, Universidad Técnica Federico Santa María, Valparaiso, Chile
[33] [(a)] Institute of High Energy Physics, Chinese Academy of Sciences, Beijing, China; [(b)] Department of Modern Physics, University of Science and Technology of China, Anhui, China; [(c)] Department of Physics, Nanjing University, Jiangsu, China; [(d)] School of Physics, Shandong University, Shandong, China; [(e)] Department of Physics and Astronomy, Shanghai Key Laboratory for Particle Physics and Cosmology, Shanghai Jiao Tong University, Shanghai, China; [(f)] Physics Department, Tsinghua University, 100084 Beijing, China
[34] Laboratoire de Physique Corpusculaire, Clermont Université and Université Blaise Pascal and CNRS/IN2P3, Clermont-Ferrand, France
[35] Nevis Laboratory, Columbia University, Irvington, NY, USA
[36] Niels Bohr Institute, University of Copenhagen, Copenhagen, Denmark
[37] [(a)] INFN Gruppo Collegato di Cosenza, Laboratori Nazionali di Frascati, Frascati, Italy; [(b)] Dipartimento di Fisica, Università della Calabria, Rende, Italy
[38] [(a)] Faculty of Physics and Applied Computer Science, AGH University of Science and Technology, Kraków, Poland; [(b)] Marian Smoluchowski Institute of Physics, Jagiellonian University, Kraków, Poland
[39] Institute of Nuclear Physics, Polish Academy of Sciences, Kraków, Poland
[40] Physics Department, Southern Methodist University, Dallas, TX, USA
[41] Physics Department, University of Texas at Dallas, Richardson, TX, USA
[42] DESY, Hamburg and Zeuthen, Germany
[43] Institut für Experimentelle Physik IV, Technische Universität Dortmund, Dortmund, Germany
[44] Institut für Kern- und Teilchenphysik, Technische Universität Dresden, Dresden, Germany
[45] Department of Physics, Duke University, Durham, NC, USA
[46] SUPA-School of Physics and Astronomy, University of Edinburgh, Edinburgh, UK
[47] INFN Laboratori Nazionali di Frascati, Frascati, Italy
[48] Fakultät für Mathematik und Physik, Albert-Ludwigs-Universität, Freiburg, Germany
[49] Section de Physique, Université de Genève, Geneva, Switzerland
[50] [(a)] INFN Sezione di Genova, Genova, Italy; [(b)] Dipartimento di Fisica, Università di Genova, Genoa, Italy
[51] [(a)] E. Andronikashvili Institute of Physics, Iv. Javakhishvili Tbilisi State University, Tbilisi, Georgia; [(b)] High Energy Physics Institute, Tbilisi State University, Tbilisi, Georgia
[52] II Physikalisches Institut, Justus-Liebig-Universität Giessen, Giessen, Germany
[53] SUPA-School of Physics and Astronomy, University of Glasgow, Glasgow, UK
[54] II Physikalisches Institut, Georg-August-Universität, Göttingen, Germany
[55] Laboratoire de Physique Subatomique et de Cosmologie, Université Grenoble-Alpes, CNRS/IN2P3, Grenoble, France
[56] Department of Physics, Hampton University, Hampton, VA, USA
[57] Laboratory for Particle Physics and Cosmology, Harvard University, Cambridge, MA, USA
[58] [(a)] Kirchhoff-Institut für Physik, Ruprecht-Karls-Universität Heidelberg, Heidelberg, Germany; [(b)] Physikalisches Institut, Ruprecht-Karls-Universität Heidelberg, Heidelberg, Germany; [(c)] ZITI Institut für technische Informatik, Ruprecht-Karls-Universität Heidelberg, Mannheim, Germany
[59] Faculty of Applied Information Science, Hiroshima Institute of Technology, Hiroshima, Japan
[60] [(a)] Department of Physics, The Chinese University of Hong Kong, Shatin, NT, Hong Kong; [(b)] Department of Physics, The University of Hong Kong, Pok Fu Lam, Hong Kong; [(c)] Department of Physics, The Hong Kong University of Science and Technology, Clear Water Bay, Kowloon, Hong Kong, China
[61] Department of Physics, Indiana University, Bloomington, IN, USA
[62] Institut für Astro- und Teilchenphysik, Leopold-Franzens-Universität, Innsbruck, Austria
[63] University of Iowa, Iowa City, IA, USA
[64] Department of Physics and Astronomy, Iowa State University, Ames, IA, USA
[65] Joint Institute for Nuclear Research, JINR Dubna, Dubna, Russia
[66] KEK, High Energy Accelerator Research Organization, Tsukuba, Japan
[67] Graduate School of Science, Kobe University, Kobe, Japan

[68] Faculty of Science, Kyoto University, Kyoto, Japan
[69] Kyoto University of Education, Kyoto, Japan
[70] Department of Physics, Kyushu University, Fukuoka, Japan
[71] Instituto de Física La Plata, Universidad Nacional de La Plata and CONICET, La Plata, Argentina
[72] Physics Department, Lancaster University, Lancaster, UK
[73] [(a)] INFN Sezione di Lecce, Lecce, Italy; [(b)] Dipartimento di Matematica e Fisica, Università del Salento, Lecce, Italy
[74] Oliver Lodge Laboratory, University of Liverpool, Liverpool, UK
[75] Department of Physics, Jožef Stefan Institute and University of Ljubljana, Ljubljana, Slovenia
[76] School of Physics and Astronomy, Queen Mary University of London, London, UK
[77] Department of Physics, Royal Holloway University of London, Surrey, UK
[78] Department of Physics and Astronomy, University College London, London, UK
[79] Louisiana Tech University, Ruston, LA, USA
[80] Laboratoire de Physique Nucléaire et de Hautes Energies, UPMC and Université Paris-Diderot and CNRS/IN2P3, Paris, France
[81] Fysiska institutionen, Lunds universitet, Lund, Sweden
[82] Departamento de Fisica Teorica C-15, Universidad Autonoma de Madrid, Madrid, Spain
[83] Institut für Physik, Universität Mainz, Mainz, Germany
[84] School of Physics and Astronomy, University of Manchester, Manchester, UK
[85] CPPM, Aix-Marseille Université and CNRS/IN2P3, Marseille, France
[86] Department of Physics, University of Massachusetts, Amherst, MA, USA
[87] Department of Physics, McGill University, Montreal, QC, Canada
[88] School of Physics, University of Melbourne, Melbourne, VIC, Australia
[89] Department of Physics, The University of Michigan, Ann Arbor, MI, USA
[90] Department of Physics and Astronomy, Michigan State University, East Lansing, MI, USA
[91] [(a)] INFN Sezione di Milano, Milan, Italy; [(b)] Dipartimento di Fisica, Università di Milano, Milan, Italy
[92] B.I. Stepanov Institute of Physics, National Academy of Sciences of Belarus, Minsk, Republic of Belarus
[93] National Scientific and Educational Centre for Particle and High Energy Physics, Minsk, Republic of Belarus
[94] Department of Physics, Massachusetts Institute of Technology, Cambridge, MA, USA
[95] Group of Particle Physics, University of Montreal, Montreal, QC, Canada
[96] P.N. Lebedev Institute of Physics, Academy of Sciences, Moscow, Russia
[97] Institute for Theoretical and Experimental Physics (ITEP), Moscow, Russia
[98] National Research Nuclear University MEPhI, Moscow, Russia
[99] D.V. Skobeltsyn Institute of Nuclear Physics, M.V. Lomonosov Moscow State University, Moscow, Russia
[100] Fakultät für Physik, Ludwig-Maximilians-Universität München, Munich, Germany
[101] Max-Planck-Institut für Physik (Werner-Heisenberg-Institut), Munich, Germany
[102] Nagasaki Institute of Applied Science, Nagasaki, Japan
[103] Graduate School of Science and Kobayashi-Maskawa Institute, Nagoya University, Nagoya, Japan
[104] [(a)] INFN Sezione di Napoli, Naples, Italy; [(b)] Dipartimento di Fisica, Università di Napoli, Naples, Italy
[105] Department of Physics and Astronomy, University of New Mexico, Albuquerque, NM, USA
[106] Institute for Mathematics, Astrophysics and Particle Physics, Radboud University Nijmegen/Nikhef, Nijmegen, The Netherlands
[107] Nikhef National Institute for Subatomic Physics and University of Amsterdam, Amsterdam, The Netherlands
[108] Department of Physics, Northern Illinois University, De Kalb, IL, USA
[109] Budker Institute of Nuclear Physics, SB RAS, Novosibirsk, Russia
[110] Department of Physics, New York University, New York, NY, USA
[111] Ohio State University, Columbus, OH, USA
[112] Faculty of Science, Okayama University, Okayama, Japan
[113] Homer L. Dodge Department of Physics and Astronomy, University of Oklahoma, Norman, OK, USA
[114] Department of Physics, Oklahoma State University, Stillwater, OK, USA
[115] Palacký University, RCPTM, Olomouc, Czech Republic
[116] Center for High Energy Physics, University of Oregon, Eugene, OR, USA
[117] LAL, Université Paris-Sud and CNRS/IN2P3, Orsay, France
[118] Graduate School of Science, Osaka University, Osaka, Japan

[119] Department of Physics, University of Oslo, Oslo, Norway
[120] Department of Physics, Oxford University, Oxford, UK
[121] [(a)] INFN Sezione di Pavia, Pavia, Italy; [(b)] Dipartimento di Fisica, Università di Pavia, Pavia, Italy
[122] Department of Physics, University of Pennsylvania, Philadelphia, PA, USA
[123] Petersburg Nuclear Physics Institute, Gatchina, Russia
[124] [(a)] INFN Sezione di Pisa, Pisa, Italy; [(b)] Dipartimento di Fisica E. Fermi, Università di Pisa, Pisa, Italy
[125] Department of Physics and Astronomy, University of Pittsburgh, Pittsburgh, PA, USA
[126] [(a)] Laboratorio de Instrumentacao e Fisica Experimental de Particulas-LIP, Lisbon, Portugal; [(b)] Faculdade de Ciências, Universidade de Lisboa, Lisbon, Portugal; [(c)] Department of Physics, University of Coimbra, Coimbra, Portugal; [(d)] Centro de Física Nuclear da Universidade de Lisboa, Lisbon, Portugal; [(e)] Departamento de Fisica, Universidade do Minho, Braga, Portugal; [(f)] Departamento de Fisica Teorica y del Cosmos and CAFPE, Universidad de Granada, Granada, Spain; [(g)] Dep Fisica and CEFITEC of Faculdade de Ciencias e Tecnologia, Universidade Nova de Lisboa, Caparica, Portugal
[127] Institute of Physics, Academy of Sciences of the Czech Republic, Prague, Czech Republic
[128] Czech Technical University in Prague, Prague, Czech Republic
[129] Faculty of Mathematics and Physics, Charles University in Prague, Prague, Czech Republic
[130] State Research Center Institute for High Energy Physics, Protvino, Russia
[131] Particle Physics Department, Rutherford Appleton Laboratory, Didcot, UK
[132] Ritsumeikan University, Kusatsu, Shiga, Japan
[133] [(a)] INFN Sezione di Roma, Rome, Italy; [(b)] Dipartimento di Fisica, Sapienza Università di Roma, Rome, Italy
[134] [(a)] INFN Sezione di Roma Tor Vergata, Rome, Italy; [(b)] Dipartimento di Fisica, Università di Roma Tor Vergata, Rome, Italy
[135] [(a)] INFN Sezione di Roma Tre, Rome, Italy; [(b)] Dipartimento di Matematica e Fisica, Università Roma Tre, Rome, Italy
[136] [(a)] Faculté des Sciences Ain Chock, Réseau Universitaire de Physique des Hautes Energies-Université Hassan II, Casablanca, Morocco; [(b)] Centre National de l'Energie des Sciences Techniques Nucleaires, Rabat, Morocco; [(c)] Faculté des Sciences Semlalia, Université Cadi Ayyad, LPHEA-Marrakech, Marrakech, Morocco; [(d)] Faculté des Sciences, Université Mohamed Premier and LPTPM, Oujda, Morocco; [(e)] Faculté des Sciences, Université Mohammed V-Agdal, Rabat, Morocco
[137] DSM/IRFU (Institut de Recherches sur les Lois Fondamentales de l'Univers), CEA Saclay (Commissariat à l'Energie Atomique et aux Energies Alternatives), Gif-sur-Yvette, France
[138] Santa Cruz Institute for Particle Physics, University of California Santa Cruz, Santa Cruz, CA, USA
[139] Department of Physics, University of Washington, Seattle, WA, USA
[140] Department of Physics and Astronomy, University of Sheffield, Sheffield, UK
[141] Department of Physics, Shinshu University, Nagano, Japan
[142] Fachbereich Physik, Universität Siegen, Siegen, Germany
[143] Department of Physics, Simon Fraser University, Burnaby, BC, Canada
[144] SLAC National Accelerator Laboratory, Stanford, CA, USA
[145] [(a)] Faculty of Mathematics, Physics and Informatics, Comenius University, Bratislava, Slovak Republic; [(b)] Department of Subnuclear Physics, Institute of Experimental Physics of the Slovak Academy of Sciences, Kosice, Slovak Republic
[146] [(a)] Department of Physics, University of Cape Town, Cape Town, South Africa; [(b)] Department of Physics, University of Johannesburg, Johannesburg, South Africa; [(c)] School of Physics, University of the Witwatersrand, Johannesburg, South Africa
[147] [(a)] Department of Physics, Stockholm University, Stockholm, Sweden; [(b)] The Oskar Klein Centre, Stockholm, Sweden
[148] Physics Department, Royal Institute of Technology, Stockholm, Sweden
[149] Departments of Physics and Astronomy and Chemistry, Stony Brook University, Stony Brook, NY, USA
[150] Department of Physics and Astronomy, University of Sussex, Brighton, UK
[151] School of Physics, University of Sydney, Sydney, Australia
[152] Institute of Physics, Academia Sinica, Taipei, Taiwan
[153] Department of Physics, Technion: Israel Institute of Technology, Haifa, Israel
[154] Raymond and Beverly Sackler School of Physics and Astronomy, Tel Aviv University, Tel Aviv, Israel
[155] Department of Physics, Aristotle University of Thessaloniki, Thessaloníki, Greece
[156] International Center for Elementary Particle Physics and Department of Physics, The University of Tokyo, Tokyo, Japan
[157] Graduate School of Science and Technology, Tokyo Metropolitan University, Tokyo, Japan

[158] Department of Physics, Tokyo Institute of Technology, Tokyo, Japan
[159] Department of Physics, University of Toronto, Toronto, ON, Canada
[160] [(a)] TRIUMF, Vancouver, BC, Canada; [(b)] Department of Physics and Astronomy, York University, Toronto, ON, Canada
[161] Faculty of Pure and Applied Sciences, University of Tsukuba, Tsukuba, Japan
[162] Department of Physics and Astronomy, Tufts University, Medford, MA, USA
[163] Centro de Investigaciones, Universidad Antonio Narino, Bogotá, Colombia
[164] Department of Physics and Astronomy, University of California Irvine, Irvine, CA, USA
[165] [(a)] INFN Gruppo Collegato di Udine, Sezione di Trieste, Udine, Italy; [(b)] ICTP, Trieste, Italy; [(c)] Dipartimento di Chimica, Fisica e Ambiente, Università di Udine, Udine, Italy
[166] Department of Physics, University of Illinois, Urbana, IL, USA
[167] Department of Physics and Astronomy, University of Uppsala, Uppsala, Sweden
[168] Instituto de Física Corpuscular (IFIC) and Departamento de Física Atómica, Molecular y Nuclear and Departamento de Ingeniería Electrónica and Instituto de Microelectrónica de Barcelona (IMB-CNM), University of Valencia and CSIC, Valencia, Spain
[169] Department of Physics, University of British Columbia, Vancouver, BC, Canada
[170] Department of Physics and Astronomy, University of Victoria, Victoria, BC, Canada
[171] Department of Physics, University of Warwick, Coventry, UK
[172] Waseda University, Tokyo, Japan
[173] Department of Particle Physics, The Weizmann Institute of Science, Rehovot, Israel
[174] Department of Physics, University of Wisconsin, Madison, WI, USA
[175] Fakultät für Physik und Astronomie, Julius-Maximilians-Universität, Würzburg, Germany
[176] Fachbereich C Physik, Bergische Universität Wuppertal, Wuppertal, Germany
[177] Department of Physics, Yale University, New Haven, CT, USA
[178] Yerevan Physics Institute, Yerevan, Armenia
[179] Centre de Calcul de l'Institut National de Physique Nucléaire et de Physique des Particules (IN2P3), Villeurbanne, France

[a] Also at Department of Physics, King's College London, London, UK
[b] Also at Institute of Physics, Azerbaijan Academy of Sciences, Baku, Azerbaijan
[c] Also at Novosibirsk State University, Novosibirsk, Russia
[d] Also at TRIUMF, Vancouver, BC, Canada
[e] Also at Department of Physics, California State University, Fresno, CA, USA
[f] Also at Department of Physics, University of Fribourg, Fribourg, Switzerland
[g] Also at Departamento de Fisica e Astronomia, Faculdade de Ciencias, Universidade do Porto, Porto, Portugal
[h] Also at Tomsk State University, Tomsk, Russia
[i] Also at CPPM, Aix-Marseille Université and CNRS/IN2P3, Marseille, France
[j] Also at Università di Napoli Parthenope, Naples, Italy
[k] Also at Institute of Particle Physics (IPP), Victoria, Canada
[l] Also at Particle Physics Department, Rutherford Appleton Laboratory, Didcot, UK
[m] Also at International School for Advanced Studies (SISSA), Trieste, Italy
[n] Also at Department of Physics, St. Petersburg State Polytechnical University, St. Petersburg, Russia
[o] Also at Louisiana Tech University, Ruston, LA, USA
[p] Also at Institucio Catalana de Recerca i Estudis Avancats, ICREA, Barcelona, Spain
[q] Also at Department of Physics, National Tsing Hua University, Hsinchu, Taiwan
[r] Also at Department of Physics, The University of Texas at Austin, Austin, TX, USA
[s] Associated at Theoretical Physics Department, University of Geneva, Geneva, Switzerland
[t] Also at Institute of Theoretical Physics, Ilia State University, Tbilisi, Georgia
[u] Also at CERN, Geneva, Switzerland
[v] Also at Georgian Technical University (GTU), Tbilisi, Georgia
[w] Also at Ochadai Academic Production, Ochanomizu University, Tokyo, Japan
[x] Also at Manhattan College, New York, NY, USA
[y] Also at Institute of Physics, Academia Sinica, Taipei, Taiwan
[z] Also at LAL, Université Paris-Sud and CNRS/IN2P3, Orsay, France
[aa] Also at Academia Sinica Grid Computing, Institute of Physics, Academia Sinica, Taipei, Taiwan
[ab] Also at Dipartimento di Fisica, Sapienza Università di Roma, Rome, Italy

[ac] Also at Moscow Institute of Physics and Technology State University, Dolgoprudny, Russia
[ad] Also at Section de Physique, Université de Genève, Geneva, Switzerland
[ae] Also at Department of Physics and Astronomy, University of South Carolina, Columbia, SC, USA
[af] Also at School of Physics and Engineering, Sun Yat-sen University, Guangzhou, China
[ag] Also at Faculty of Physics, M.V. Lomonosov Moscow State University, Moscow, Russia
[ah] Also at National Research Nuclear University MEPhI, Moscow, Russia
[ai] Also at Department of Physics, Stanford University, Stanford CA, USA
[aj] Also at Institute for Particle and Nuclear Physics, Wigner Research Centre for Physics, Budapest, Hungary
[ak] Also at Department of Physics, Oxford University, Oxford, UK
[al] Also at Department of Physics, The University of Michigan, Ann Arbor, MI, USA
[am] Also at Discipline of Physics, University of KwaZulu-Natal, Durban, South Africa
[an] Also at University of Malaya, Department of Physics, Kuala Lumpur, Malaysia
* Deceased