

**Erratum: Measurement of the absolute branching fractions  
for  $D_s^- \rightarrow \ell^- \bar{\nu}_\ell$  and extraction of the decay constant  $f_{D_s}$   
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J. P. Lees, V. Poireau, V. Tisserand, E. Grauges, A. Palano, G. Eigen, B. Stugu, D. N. Brown, L. T. Kerth, Yu. G. Kolomensky, M. J. Lee, G. Lynch, H. Koch, T. Schroeder, C. Hearty, T. S. Mattison, J. A. McKenna, R. Y. So, A. Khan, V. E. Blinov, A. R. Buzykaev, V. P. Druzhinin, V. B. Golubev, E. A. Kravchenko, A. P. Onuchin, S. I. Serebnyakov, Yu. I. Skovpen, E. P. Solodov, K. Yu. Todyshev, A. J. Lankford, B. Dey, J. W. Gary, O. Long, C. Campagnari, M. Franco Sevilla, T. M. Hong, D. Kovalskyi, J. D. Richman, C. A. West, A. M. Eisner, W. S. Lockman, W. Panduro Vazquez, B. A. Schumm, A. Seiden, D. S. Chao, C. H. Cheng, B. Echenard, K. T. Flood, D. G. Hitlin, T. S. Miyashita, P. Ongmongkolkul, F. C. Porter, M. Röhrken, R. Andreassen, Z. Huard, B. T. Meadows, B. G. Pushpawela, M. D. Sokoloff, L. Sun, P. C. Bloom, W. T. Ford, A. Gaz, J. G. Smith, S. R. Wagner, R. Ayad, W. H. Toki, B. Spaan, D. Bernard, M. Verderi, S. Playfer, D. Bettoni, C. Bozzi, R. Calabrese, G. Cibinetto, E. Fioravanti, I. Garzia, E. Luppi, L. Piemontese, V. Santoro, A. Calcaterra, R. de Sangro, G. Finocchiaro, S. Martellotti, P. Patteri, I. M. Peruzzi, M. Piccolo, M. Rama, A. Zallo, R. Contri, M. Lo Vetere, M. R. Monge, S. Passaggio, C. Patrignani, E. Robutti, B. Bhuyan, V. Prasad, A. Adametz, U. Uwer, H. M. Lacker, U. Mallik, C. Chen, J. Cochran, S. Prell, H. Ahmed, A. V. Gritsan, N. Arnaud, M. Davier, D. Derkach, G. Grosdidier, F. Le Diberder, A. M. Lutz, B. Malaescu, P. Roudeau, A. Stocchi, G. Wormser, D. J. Lange, D. M. Wright, J. P. Coleman, J. R. Fry, E. Gabathuler, D. E. Hutchcroft, D. J. Payne, C. Touramanis, A. J. Bevan, F. Di Lodovico, R. Sacco, G. Cowan, D. N. Brown, C. L. Davis, A. G. Denig, M. Fritsch, W. Gradl, K. Griessinger, A. Hafner, K. R. Schubert, R. J. Barlow, G. D. Lafferty, R. Cenci, B. Hamilton, A. Jawahery, D. A. Roberts, R. Cowan, G. Sciolla, R. Cheaib, P. M. Patel, S. H. Robertson, N. Neri, F. Palombo, L. Cremaldi, R. Godang, P. Sonnek, D. J. Summers, M. Simard, P. Taras, G. De Nardo, G. Onorato, C. Sciacca, M. Martinelli, G. Raven, C. P. Jessop, J. M. LoSecco, K. Honscheid, R. Kass, E. Feltresi, M. Margoni, M. Morandin, M. Posocco, M. Rotondo, G. Simi, F. Simonetto, R. Stroili, S. Akar, E. Ben-Haim, M. Bomben, G. R. Bonneaud, H. Briand, G. Calderini, J. Chauveau, Ph. Leruste, G. Marchiori, J. Ocariz, M. Biasini, E. Manoni, S. Pacetti, A. Rossi, C. Angelini, G. Batignani, S. Bettarini, M. Carpinelli, G. Casarosa, A. Cervelli, M. Chrzaszcz, F. Forti, M. A. Giorgi, A. Lusiani, B. Oberhof, E. Paoloni, A. Perez, G. Rizzo, J. J. Walsh, D. Lopes Pegna, J. Olsen, A. J. S. Smith, F. Anulli, R. Faccini, F. Ferrarotto, F. Ferroni, M. Gaspero, L. Li Gioi, A. Pilloni, G. Piredda, C. Büniger, S. Dittrich, O. Grünberg, M. Hess, T. Leddig, C. Voß, R. Waldi, T. Adye, E. O. Olaiya, F. F. Wilson, S. Emery, G. Vasseur, D. Aston, D. J. Bard, C. Cartaro, M. R. Convery, J. Dorfan, G. P. Dubois-Felsmann, W. Dunwoodie, M. Ebert, R. C. Field, B. G. Fulsom, M. T. Graham, C. Hast, W. R. Innes, P. Kim, D. W. G. S. Leith, D. Lindemann, S. Luitz, V. Luth, H. L. Lynch, D. B. MacFarlane, D. R. Muller, H. Neal, M. Perl, T. Pulliam, B. N. Ratcliff, A. Roodman, A. A. Salnikov, R. H. Schindler, A. Snyder, D. Su, M. K. Sullivan, J. Va'vra, W. J. Wisniewski, H. W. Wulsin, M. V. Purohit, R. M. White, J. R. Wilson, A. Randle-Conde, S. J. Sekula, M. Bellis, P. R. Burchat, E. M. T. Puccio, M. S. Alam, J. A. Ernst, R. Gorodeisky, N. Guttman, D. R. Peimer, A. Soffer, S. M. Spanier, J. L. Ritchie, R. F. Schwitters, B. C. Wray, J. M. Izen, X. C. Lou, F. Bianchi, F. De Mori, A. Filippi, D. Gamba, L. Lanceri, L. Vitale, F. Martinez-Vidal, A. Oyanguren, P. Villanueva-Perez, J. Albert, Sw. Banerjee, A. Beaulieu, F. U. Bernlochner, H. H. F. Choi, G. J. King, R. Kowalewski, M. J. Lewczuk, T. Lueck, I. M. Nugent, J. M. Roney, R. J. Sobie, N. Tasneem, T. J. Gershon, P. F. Harrison, T. E. Latham, H. R. Band, S. Dasu, Y. Pan, R. Prepost, and S. L. Wu

(BABAR Collaboration)

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The previous computation of the average values for  $\mathcal{B}(D_s^- \rightarrow \tau^- \bar{\nu}_\tau)$  and  $f_{D_s}$  used incorrect values for the correlated uncertainties. The change in the average value for  $\mathcal{B}(D_s^- \rightarrow \tau^- \bar{\nu}_\tau)$  affects also the test of lepton universality  $\mathcal{B}(D_s^- \rightarrow \tau^- \bar{\nu}_\tau)/\mathcal{B}(D_s^- \rightarrow \mu^- \bar{\nu}_\mu)$ . The corrected results are provided in Table I.

TABLE I. Changes to the results in the original paper. The values in the middle column are the values in the original paper. The last column shows the values after correcting the correlated uncertainties.

	Previous value	New value
$\mathcal{B}(D_s^- \rightarrow \tau^- \bar{\nu}_\tau)$	$(5.00 \pm 0.35(\text{stat}) \pm 0.49(\text{syst})) \times 10^{-2}$	$(4.96 \pm 0.37(\text{stat}) \pm 0.57(\text{syst})) \times 10^{-2}$
$\mathcal{B}(D_s^- \rightarrow \tau^- \bar{\nu}_\tau)/\mathcal{B}(D_s^- \rightarrow \mu^- \bar{\nu}_\mu)$	$8.27 \pm 0.77(\text{stat}) \pm 0.85(\text{syst})$	$8.24 \pm 0.79(\text{stat}) \pm 0.96(\text{syst})$
$f_{D_s}$	$(258.6 \pm 6.4(\text{stat}) \pm 7.5(\text{syst})) \text{ MeV}$	$(259.9 \pm 6.6(\text{stat}) \pm 7.6(\text{syst})) \text{ MeV}$

TABLE II. Breakdown of the statistical and systematic uncertainties for the branching fractions provided in Table I of the original paper. The two uncertainties with the term ‘‘Denominator’’ refer to the uncertainties associated with the denominator of Eq. (3) in the original paper; the remainder are associated with the numerator of the same equation. The two uncertainties above the horizontal line are statistical in nature, while the ones below are systematic uncertainties. The \* symbol indicates the uncertainties are 100% correlated between the marked channels.

	$D_s^- \rightarrow \mu^- \bar{\nu}_\mu$	$D_s^- \rightarrow \tau^- e^- \bar{\nu}_\tau$	$D_s^- \rightarrow \tau^- \mu^- \bar{\nu}_\tau$
Denominator statistical	1.14% *	1.14% *	1.14% *
Numerator statistical	6.18%	10.2%	9.41%
Denominator systematic	3.44% *	3.44% *	3.44% *
Tracking efficiency	0.83% *	0.83% *	0.83% *
P.I.D. efficiency	1.88% *	0.14%	1.91% *
Kinematic selections	1.73%	0.15%	1.74%
Signal model	2.56%	5.48% *	1.77% *
Background model	2.35%	11.7% *	9.85% *

In addition, in Table II we provide a breakdown and the correlations of the uncertainties associated with the individual branching fractions:  $\mathcal{B}(D_s^- \rightarrow \mu^- \bar{\nu}_\mu)$ ,  $\mathcal{B}(D_s^- \rightarrow \tau^- e^- \bar{\nu}_\tau)$ , and  $\mathcal{B}(D_s^- \rightarrow \tau^- \mu^- \bar{\nu}_\tau)$ .