

$\pi^+ \gamma$	< 7	$\times 10^{-5}$	95%	40192
$D_s^+ \gamma$	< 1.3	$\times 10^{-3}$	95%	40168
$c\bar{X}$	$(33.3 \pm 2.6) \%$			—
$c\bar{S}$	$(31^{+13}_{-11}) \%$			—
invisible	$[c] \quad (1.4 \pm 2.9) \%$			—



$J = 1$

Charge = 0
Mass $m = 91.1876 \pm 0.0021$ GeV ^[d]
Full width $\Gamma = 2.4952 \pm 0.0023$ GeV
 $\Gamma(\ell^+ \ell^-) = 83.984 \pm 0.086$ MeV ^[b]
 $\Gamma(\text{invisible}) = 499.0 \pm 1.5$ MeV ^[e]
 $\Gamma(\text{hadrons}) = 1744.4 \pm 2.0$ MeV
 $\Gamma(\mu^+ \mu^-) / \Gamma(e^+ e^-) = 1.0009 \pm 0.0028$
 $\Gamma(\tau^+ \tau^-) / \Gamma(e^+ e^-) = 1.0019 \pm 0.0032$ ^[f]

Average charged multiplicity

$\langle N_{charged} \rangle = 20.76 \pm 0.16 \quad (S = 2.1)$

Couplings to quarks and leptons

$g_V^\ell = -0.03783 \pm 0.00041$
 $g_V^u = 0.25^{+0.07}_{-0.06}$
 $g_V^d = -0.33^{+0.05}_{-0.06}$
 $g_A^\ell = -0.50123 \pm 0.00026$
 $g_A^u = 0.50^{+0.04}_{-0.06}$
 $g_A^d = -0.523^{+0.050}_{-0.029}$
 $g^{\nu\ell} = 0.5008 \pm 0.0008$
 $g^{\nu e} = 0.53 \pm 0.09$
 $g^{\nu\mu} = 0.502 \pm 0.017$

Asymmetry parameters ^[g]

$A_e = 0.1515 \pm 0.0019$
 $A_\mu = 0.142 \pm 0.015$
 $A_\tau = 0.143 \pm 0.004$
 $A_S = 0.90 \pm 0.09$
 $A_c = 0.670 \pm 0.027$
 $A_b = 0.923 \pm 0.020$