$N(1520)\ D_{13}$

$I(J^P) = \frac{1}{2}(\frac{3}{2}^-)$

Mass $m = 1515$ to 1530 (≈ 1520) MeV
Full width $\Gamma = 110$ to 135 (≈ 120) MeV

The following branching fractions are our estimates, not fits or averages.

***N*(1520) DECAY MODES**	Fraction (Γ_i/Γ)	p (MeV/c)
$N\pi$	50–60 %	456
$N\pi\pi$	40–50 %	410
$\Delta\pi$	15–25 %	228
$N\rho$	15–25 %	†
$N(\pi\pi)^{I=0}_{S\text{-wave}}$	<8 %	–
$p\gamma$	0.45–0.53 %	470
$n\gamma$	0.34–0.48 %	470

$N(1535)\ S_{11}$

$I(J^P) = \frac{1}{2}(\frac{1}{2}^-)$

Mass $m = 1520$ to 1555 (≈ 1535) MeV
Full width $\Gamma = 100$ to 250 (≈ 150) MeV

The following branching fractions are our estimates, not fits or averages.

***N*(1535) DECAY MODES**	Fraction (Γ_i/Γ)	p (MeV/c)
$N\pi$	35–55 %	467
$N\eta$	30–55 %	182
$N\pi\pi$	1–10 %	422
$\Delta\pi$	<1 %	242
$N\rho$	<4 %	†
$N(\pi\pi)^{I=0}_{S\text{-wave}}$	<3 %	–
$N(1440)\pi$	<7 %	†
$p\gamma$	0.45–0.53 %	481
$n\gamma$	0.34–0.48 %	480

$N(1650)\ S_{11}$, $N(1675)\ D_{15}$, $N(1680)\ F_{15}$, $N(1700)\ D_{13}$, $N(1710)\ P_{11}$, $N(1720)\ P_{13}$, $N(2190)\ G_{17}$, $N(2220)\ H_{19}$, $N(2250)\ G_{19}$, $N(2600)\ I_{1,11}$

The *N* resonances listed above are omitted from this Booklet but not from the Summary Table in the full *Review*.