

# $\Lambda^*$ list

name	status	$I(J^P)$	mass	$\Gamma$	Remark
$\Lambda(1520)$	****	$0(\frac{3}{2}^-)$	$1517 \pm 4$	$15^{+10}_{-8}$	
$\Lambda(1600)$	***	$0(\frac{1}{2}^+)$	$1560 \text{ to } 1700 \approx 1600$	$50 \text{ to } 250 \approx 150$	
$\Lambda(1670)$	****	$0(\frac{1}{2}^-)$	$1660 \text{ to } 1680 \approx 1670$	$25 \text{ to } 50 \approx 35$	
$\Lambda(1690)$	****	$0(\frac{3}{2}^-)$	$1685 \text{ to } 1695 \approx 1690$	$50 \text{ to } 70 \approx 60$	
$\Lambda(1710)$	*	$0(\frac{1}{2}^+)$	$1713 \pm 13$	$180 \pm 42$	
$\Lambda(1800)$	***	$0(\frac{1}{2}^-)$	$1720 \text{ to } 1850 \approx 1800$	$200 \text{ to } 400 \approx 300$	
$\Lambda(1810)$	***	$0(\frac{1}{2}^+)$	$1750 \text{ to } 1850 \approx 1810$	$50 \text{ to } 250 \approx 150$	
$\Lambda(1820)$	****	$0(\frac{5}{2}^+)$	$1815 \text{ to } 1825 \approx 1820$	$70 \text{ to } 90 \approx 80$	
$\Lambda(1830)$	****	$0(\frac{5}{2}^-)$	$1810 \text{ to } 1830 \approx 1830$	$60 \text{ to } 110 \approx 90$	
$\Lambda(1890)$	****	$0(\frac{3}{2}^+)$	$1850 \text{ to } 1910 \approx 1890$	$60 \text{ to } 200 \approx 100$	

name	status	$I(J^P)$	mass	$\Gamma$	Remark
$\Sigma(1480)$ Bump	*	$1(?)^?$	1480	?	
$\Sigma(1560)$ Bump	**	$1(?)^?$	1560	$79 \pm 30, 15 \pm 6$	
$\Sigma(1580)$	*	$1(\frac{3}{2}^-)$	1580	$15, 11 \pm 4$	
$\Sigma(1620)$	*	$1(\frac{1}{2}^-)$	1620	400 to 10	
$\Sigma(1620)$	*	$1(\frac{1}{2}^-)$	1620	400 to 10	
$\Sigma(1660)$	***	$1(\frac{1}{2}^+)$	$1630 \text{ to } 1690 \approx 1660$	$40 \text{ to } 100 \approx 100$	
$\Sigma(1660)$	****	$1(\frac{1}{2}^-)$	$1665 \text{ to } 1685 \approx 1670$	$40 \text{ to } 80 \approx 60$	
$\Sigma(1670)$ Bump		$1(?)^?$	1670	?	
$\Sigma(1690)$ Bump	**	$1(?)^?$	1690	?	
$\Sigma(1730)$	*	$1(\frac{3}{2}^+)$	$1727 \pm 27$	$276 \pm 87$	
$\Sigma(1750)$	***	$1(\frac{1}{2}^-)$	$1730 \text{ to } 1800 \approx 1750$	$60 \text{ to } 160 \approx 90$	
$\Sigma(1770)$	*	$1(\frac{1}{2}^+)$	$\approx 1770$	$72 \pm 10, 80 \pm 30$	
$\Sigma(1775)$	****	$1(\frac{5}{2}^-)$	$1767 \pm 2$	$128^{+4}_{-2}$	
$\Sigma(1840)$	*	$1(\frac{3}{2}^+)$	$\approx 1840$		
$\Sigma(1880)$	**	$1(\frac{1}{2}^+)$	$\approx 1880$	80 to 300	
$\Sigma(1900)$	**	$1(\frac{1}{2}^-)$	$1900 \pm 21$	$191 \pm 47$	