

# ρ(1900)

$$I^G(J^{PC}) = 1^+(1^{--})$$

OMITTED FROM SUMMARY TABLE

See the mini-review under the ρ(1700).

## ρ(1900) MASS

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●			
1911 ± 4 ± 1	FRABETTI	01 E687	γp → 3π <sup>+</sup> 3π <sup>-</sup> p
1870 ± 10	ANTONELLI	96 SPEC	e <sup>+</sup> e <sup>-</sup> → hadrons

## ρ(1900) WIDTH

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●			
29 ± 11 ± 4	FRABETTI	01 E687	γp → 3π <sup>+</sup> 3π <sup>-</sup> p
10 ± 5	ANTONELLI	96 SPEC	e <sup>+</sup> e <sup>-</sup> → hadrons

## ρ(1900) DECAY MODES

Mode	Fraction (Γ <sub>i</sub> /Γ)
Γ <sub>1</sub> 6π	seen
Γ <sub>2</sub> 3π <sup>+</sup> 3π <sup>-</sup>	seen
Γ <sub>3</sub> hadrons	seen
Γ <sub>4</sub> e <sup>+</sup> e <sup>-</sup>	seen
Γ <sub>5</sub> $\bar{N}N$	not seen

## ρ(1900) BRANCHING RATIOS

Γ(6π)/Γ <sub>total</sub>	DOCUMENT ID	TECN	COMMENT	Γ <sub>1</sub> /Γ
not seen	AGNELLO	02 OBLX	$\bar{n}p \rightarrow 3\pi^+2\pi^-\pi^0$	
seen	FRABETTI	01 E687	γp → 3π <sup>+</sup> 3π <sup>-</sup> p	
seen	ANTONELLI	96 SPEC	e <sup>+</sup> e <sup>-</sup> → hadrons	

## ρ(1900) REFERENCES

AGNELLO	02	PL B527 39	M. Agnello <i>et al.</i>	(OBELIX Collab.)
FRABETTI	01	PL B514 240	P.L. Frabetti <i>et al.</i>	(FNAL E687 Collab.)
ANTONELLI	96	PL B365 427	A. Antonelli <i>et al.</i>	(FENICE Collab.)

## OTHER RELATED PAPERS

CLEGG	90	ZPHY C45 677	A.B. Clegg, A. Donnachie	(LANC, MCHS)
CASTRO	88	Preprint LAL-88-58	A. Castro <i>et al.</i>	(DM2 Collab.)