



$J^P = \frac{3}{2}^-$ Status: ***
 J, P need confirmation.

$\Xi_b(6100)^-$ MASS

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
6100.3±0.2±0.6	¹ SIRUNYAN 21F	CMS	pp at 13 TeV

¹ Observed in $\Xi_b(6100)^- \rightarrow \Xi_b^- \pi^+ \pi^-$ decays.

$$m_{\Xi_b(6100)^-} - m_{\Xi_b^-} - 2 m_{\pi^\pm}$$

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
24.14±0.22±0.09	¹ SIRUNYAN 21F	CMS	pp at 13 TeV

¹ Observed in $\Xi_b(6100)^- \rightarrow \Xi_b^- \pi^+ \pi^-$ decays.

$\Xi_b(6100)^-$ WIDTH

VALUE (MeV)	CL%	DOCUMENT ID	TECN	COMMENT
<1.9	95	¹ SIRUNYAN 21F	CMS	pp at 13 TeV

¹ Observed in $\Xi_b(6100)^- \rightarrow \Xi_b^- \pi^+ \pi^-$ decays.

$\Xi_b(6100)^-$ DECAY MODES

Mode	Fraction (Γ_i/Γ)
$\Gamma_1 \quad \Xi_b^- \pi^+ \pi^-$	seen

$\Xi_b(6100)^-$ BRANCHING RATIOS

$\Gamma(\Xi_b^- \pi^+ \pi^-)/\Gamma_{\text{total}}$	Γ_1/Γ			
VALUE	EVTS	DOCUMENT ID	TECN	COMMENT
seen	60	SIRUNYAN 21F	CMS	pp at 13 TeV

$\Xi_b(6100)^-$ REFERENCES

SIRUNYAN 21F PRL 126 252003 A.M. Sirunyan *et al.* (CMS Collab.)