

$\Sigma_b(6097)^-$  $J^P = ??$ 

Status: \*\*\*

 $\Sigma_b(6097)^-$  MASS

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
$6098.0 \pm 1.7 \pm 0.5$	<sup>1</sup> AAIJ	19A LHCB	$pp$ at 7, 8 TeV
<sup>1</sup> Measured using fully reconstructed $\Lambda_b^0 \rightarrow \Lambda_c^+ \pi^-$ and $\Lambda_c^+ \rightarrow p K^- \pi^+$ decays.			

 $\Sigma_b(6097)^-$  WIDTH

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
$28.9 \pm 4.2 \pm 0.9$	<sup>1</sup> AAIJ	19A LHCB	$pp$ at 7, 8 TeV
<sup>1</sup> Measured using fully reconstructed $\Lambda_b^0 \rightarrow \Lambda_c^+ \pi^-$ and $\Lambda_c^+ \rightarrow p K^- \pi^+$ decays.			

 $\Sigma_b(6097)^-$  DECAY MODES

Mode	Fraction ( $\Gamma_i/\Gamma$ )
$\Gamma_1 \Lambda_b \pi^- \times B(b \rightarrow \Sigma_b(6097)^-)$	seen

 $\Sigma_b(6097)^-$  BRANCHING RATIOS

$\Gamma(\Lambda_b \pi^- \times B(b \rightarrow \Sigma_b(6097)^-))/\Gamma_{\text{total}}$			$\Gamma_1/\Gamma$
VALUE	DOCUMENT ID	TECN	COMMENT
seen	AAIJ	19A LHCB	$pp$ at 7, 8 TeV

 $\Sigma_b(6097)^-$  REFERENCES

AAIJ	19A	PRL 122 012001	R. Aaij <i>et al.</i>	(LHCb Collab.)
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