$P_c(4380)^+$

Status: *

A resonance seen in $\Lambda_b^0 \to P_c^+ K^-$, then $P_c \to J/\psi p$, with a significance of 9 standard deviations. The $J/\psi p$ quark content is $uudc\overline{c}$, a pentaquark. See also the $P_c(4450)^+$. In the best amplitude fit, the two states have opposite parity, one having $J = 3/2$, the other $J = 5/2$.

$P_c(4380)^+$ MASS

VALUE (MeV)	*DOCUMENT ID*		*TECN*	*COMMENT*
4380±8±29	AAIJ	15P	LHCB	pp at 7, 8 TeV

$P_c(4380)^+$ WIDTH

VALUE (MeV)	*DOCUMENT ID*		*TECN*	*COMMENT*
205±18±86	AAIJ	15P	LHCB	pp at 7, 8 TeV

	Mode	Fraction (Γ_i/Γ)
Γ_1	$J/\psi p$	seen

$P_c(4380)^+$ BRANCHING RATIOS

$\Gamma(J/\psi p)/\Gamma_{total}$ **Γ_1/Γ**

VALUE	*DOCUMENT ID*		*TECN*	*COMMENT*
seen	AAIJ	15P	LHCB	pp at 7, 8 TeV

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