$\Lambda_c(2940)^+$

$I(J^P) = 0(?^?)$ Status: ∗∗

OMITTED FROM SUMMARY TABLE

A fairly narrow peak of good statistical significance seen in the $p D^0$ mass spectrum. It is not seen in $p D^+$, and therefore it is probably a Λ_c^+ and not a Σ_c.

$\Lambda_c(2940)^+$ MASS

VALUE	*EVTS*	*DOCUMENT ID*		*TECN*	*COMMENT*
2939.8±1.3±1.0	2280 ± 310	AUBERT	07	BABR	in $p D^0$

$\Lambda_c(2940)^+$ WIDTH

VALUE (MeV)	*EVTS*	*DOCUMENT ID*		*TECN*	*COMMENT*
17.5±5.2±5.9	2280 ± 310	AUBERT	07	BABR	in $p D^0$

$\Lambda_c(2940)^+$ DECAY MODES

	Mode	Fraction (Γ_i/Γ)
Γ_1	$p D^0$	seen

$\Lambda_c(2940)^+$ REFERENCES

AUBERT 07 PRL 98 012001 B. Aubert *et al.* (BABAR Collab.)