

$\Sigma(3000)$ Bumps

$$I(J^P) = 1(?^?) \quad \text{Status: } *$$

OMITTED FROM SUMMARY TABLE

Seen as an enhancement in $\Lambda\pi$ and $\bar{K}N$ invariant mass spectra and in the missing mass of neutrals recoiling against a K^0 .

$\Sigma(3000)$ MASS

| <u>VALUE (MeV)</u> | <u>DOCUMENT ID</u> | <u>TECN</u> | <u>CHG</u> | <u>COMMENT</u> |
|---|--------------------|-------------|------------|------------------------|
| ≈ 3000 OUR ESTIMATE | | | | |
| 3000 | EHRlich | 66 | HBC | 0 $\pi^- p$ 7.91 GeV/c |

$\Sigma(3000)$ DECAY MODES

| Mode |
|-----------------------------|
| $\Gamma_1 \quad N\bar{K}$ |
| $\Gamma_2 \quad \Lambda\pi$ |

$\Sigma(3000)$ REFERENCES

| | | | | |
|---------|----|-------------|--------------------------------|----------|
| EHRlich | 66 | PR 152 1194 | R. Ehrlich, W. Selove, H. Yuta | (PENN) I |
|---------|----|-------------|--------------------------------|----------|