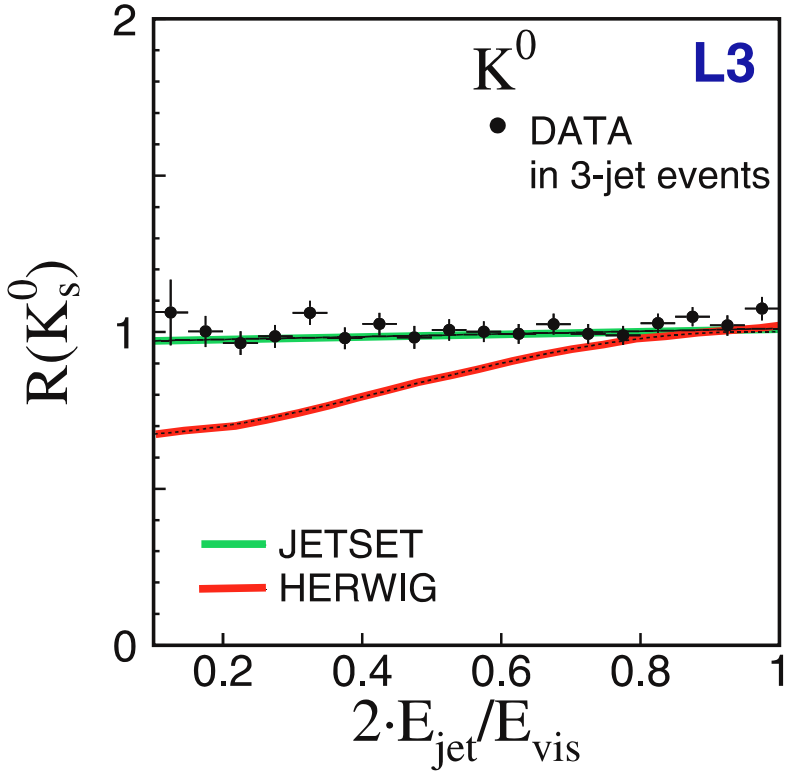
comparison of K^0_s production with charged particles

Relative rates of K to that of charged particles according to the JET energy within three-jet events:

$$R(K^0_s) = \frac{\frac{\langle K^0_s \rangle_{per\ jet}}{\langle N_{ch} \rangle_{per\ jet}}}{\frac{\langle K^0_s \rangle_{total}}{\langle N_{ch} \rangle_{total}}}$$

1 means that K^0_s are like others lighter particles



JETSET

- Good agreement with DATA

HERWIG

- Disagreement with DATA for the less energetic jets

A good agreement is found with JETSET

The disagreement seen with HERWIG is related to the reduced phase space for strange quark production.

G.Forconi Aug-97