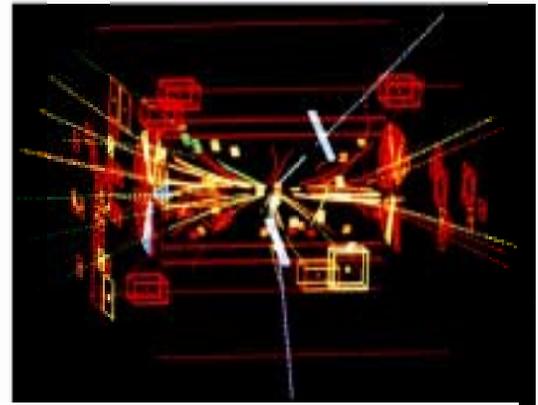


Particelle elementari I I

(V.Cavasinni, M.Grassi)

- IIII modulo approfondisce gli argomenti del I e presenta alcune tematiche avanzate di ricerca presenti

First Z event by UA1

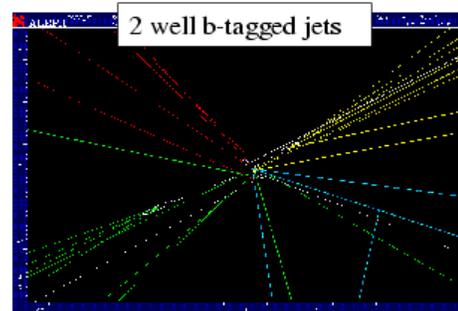
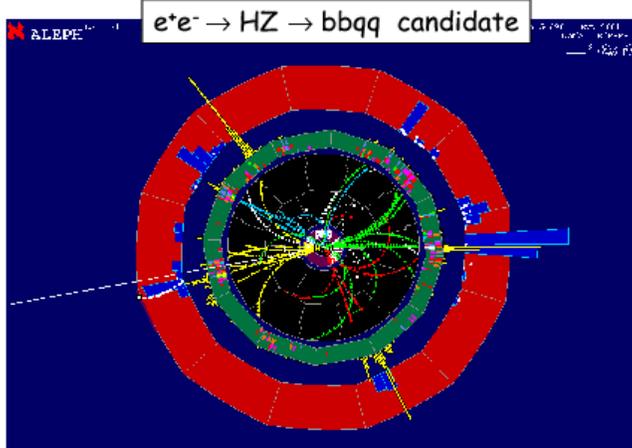


- Fisica dei bosoni intermedi W/Z;
- Unificazione elettrodebole;
- Fisica dei neutrini e oscillazioni;
- Simmetria CP e sua violazione;
- Fisica del bosone di Higgs.

In year 2000 (last year of LEP)

A few Higgs-like events, compatible with $m_H \sim 115$ GeV, observed

Best candidate : collected by ALEPH on 14/6/2000 at $\sqrt{s} = 206.7$ GeV



$$m(j_1, j_2) = 92.1 \text{ GeV}$$

$$m_H(j_3, j_4) = 114.3 \pm 3 \text{ GeV}$$

Background interpretation: bbgg

