Physics Program at BESIII

- Light hadron spectroscopy, charmed mesons and tau at the thresholds

  a) Precision measurement of the decay Br for J/ψ, $\psi(2S)$, ψ'', D, Ds and some of their decay products (e.g. η_c, χ_{cJ}); Study of N^*, Λ^*, Σ^*, Ξ^*...

  b) Improving the measurement of f_D, f_{Ds}, ν_τ, m_τ

- Hadron production mechanism, low energy QCD Precision R values, $e^+e^- \to$ V, T, Baryon pairs, ambiguous' structures

Physics Program at BESIII

- Searches

  $^1P_1$, η_c', glueball, hybrids, exotics states

- New physics

  Possibility of probing rare decay and CP violation from the decays of J/ψ and $\psi(2S)$

Concluding Remarks

- BES at BEPC: a few generations' effort; 12 years painstaking, sacrifice and 12 years success
- Needs a good detector—BESIII to match BEPCII
  - Aging problem (electronics, BSC, μ counter, trigger)
  - Necessity from physics point of view
    better PID, γ detection and acceptance
  - Adapt BEPCII (trigger, L.M., electronics, end door)
- BEPCII with a good detector, a new era for IHEP
  - Needs much determination, effort, strength
  - A strong team and a good int. collab.
  - An effective and modern management

Wishes

An other 12 years of

- great effort with sacrifice, painstaking, success, contribution; without class and power struggle
- great concern and strong support from central government and CAS
- strong support from the hep community
- distinguished hep lab. in the world

and for anther a few generations, of which the youth are waiting for another Mr. X.P. Deng!

Advice to ?

- Green book for BTCF ☹← killed and reshuffled
  Don't produce any green book in China!
- Red book for BEPCII ☺ ← will be approved
  - Physics goals
  - Machine
  - Detector
  - Budget
  - Schedule

All needs a class of talents and a strong team ← key issue all over the world, particularly urgent for IHEP

☞ Summary→ kindly invite you to make it

- BESII

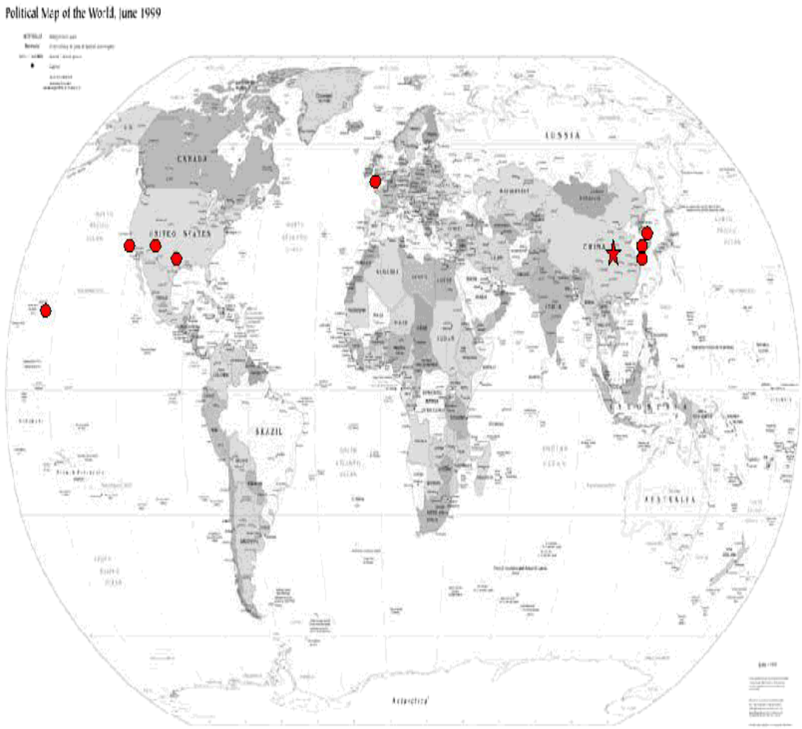
  Painstaking, Survived and is making progress MDCIII, R scan, 22 M J/ψ

☹ 😐 ☺ then?

- BESIII

☺ 😐 ☹ or ☹ 😐 ☺

The BES Collaboration (international)



The BES Collaboration (Domestic)