

The B factories have been spectacularly successful
establishing CKM dynamics as a tested theory --

Why go on?

The success of the LHC Program is the essential task in
front of us, where we cannot afford a lack of success!

Its goal: to identify the dynamics driving electroweak
symmetry breaking presumably at the $O(1 \text{ TeV})$ scale.

Primary task of future heavy flavour programs:
instrumentalize ~~CP~~ and rare decays to differentiate
between TeV scale New Physics models!

Recognized early on -- LHCb!

The generalized 'Nakada Concern':

While we have more promising avenues for exploring fundamental physics than ever,

While we have more technical abilities & tools than ever,

We live in a world with immense political, social, environmental
... problems and

have to deal with governments with less interest in basic research to a degree that goes well beyond a justified pre-occupation with these problems --

How do we choose our priorities?

Be comprehensive (necessary, yet not necessarily sufficient):

A Super-B factory is also a

• Super-Tau as well as

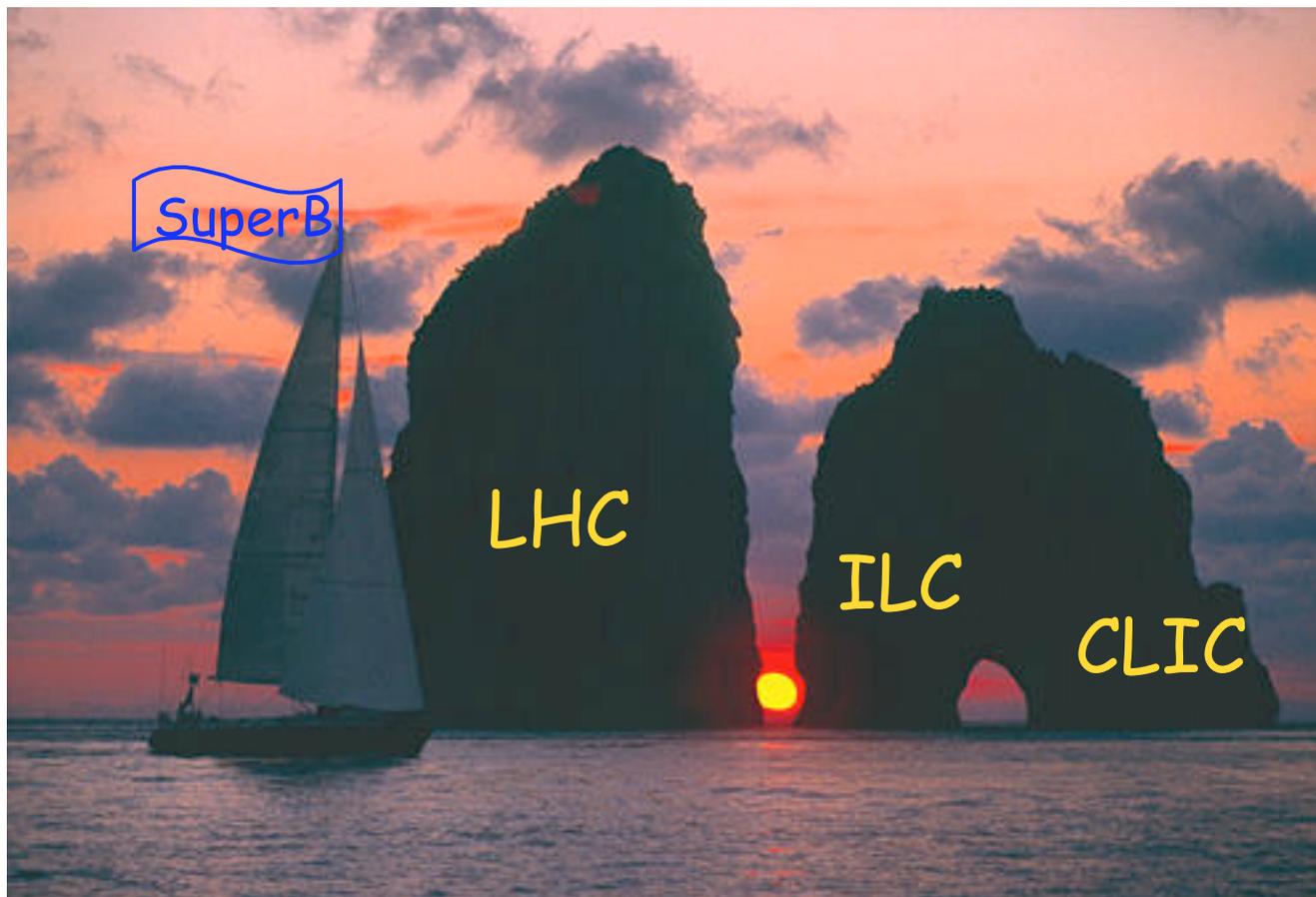
• Super-Charm factory

of truly unique capabilities

3rd family down-type quark

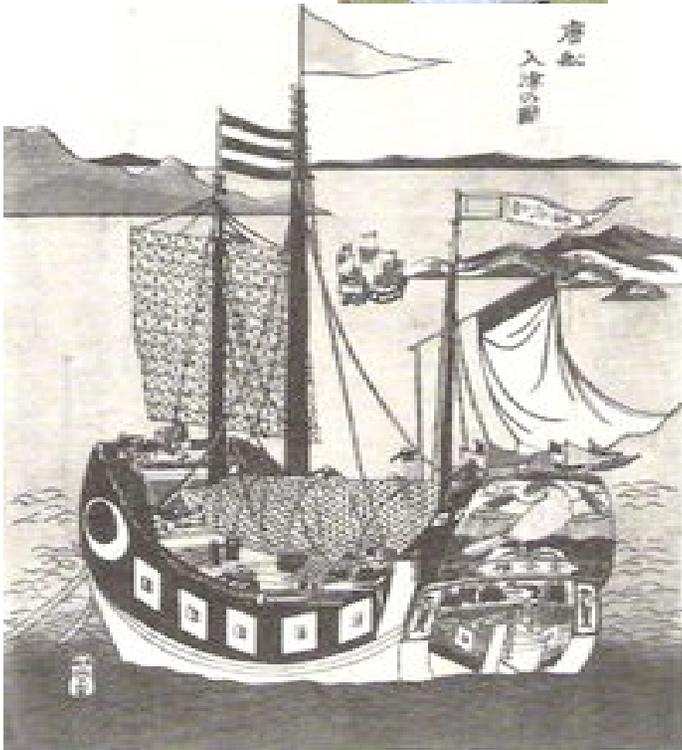
3rd family down-type lepton

2nd family up-type quark



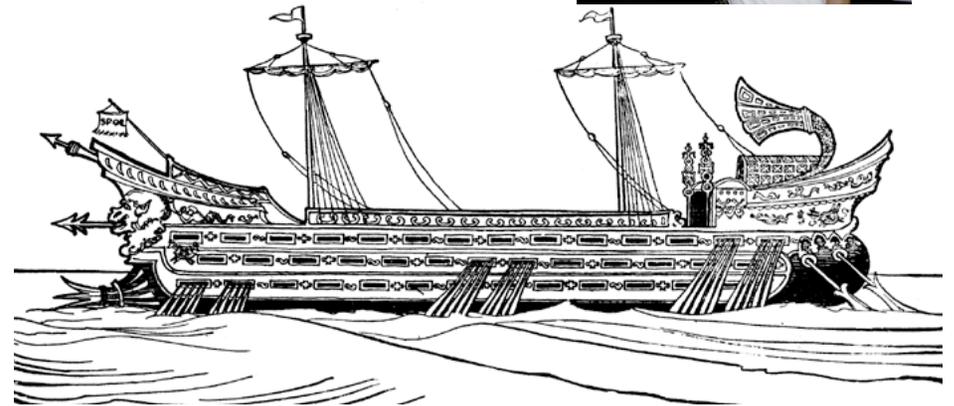
Heavy Flavour Studies -- a Passage between
Scylla & Charybdis

Shogun*
Katsunobu



Consuls

Marcello & Pantaleo



* with apologies to Yamauchi-san --
there can be only one shogun

Questions to the SuperBelle team:

- ❑ How essential is success of **crab crossing**?
- ❑ Is $L = 4 \times 10^{35}$ **hard upper** bound?
- ❑ **Background** levels, **hermiticity** of detector?

Questions to the ILC-inspired SuperB team:

- ❑ What are the **essential validation** benchmarks?
- ❑ **Time frame** needed for addressing them?
- ❑ **Time frame** for cost estimate?
- ❑ To which degree **parasitic** to or **synergetic** with ILC?
- ❑ **If synergetic**
 - ❖ in **parallel** or **successively**,
 - ❖ **one** or **two** sites?

Questions to both teams:

- ❑ What are your actions/plans for internationalizing?
- ❑ To which degree and on which fora do you talk to & learn from each other?
- ❑ Under which conditions are you willing to join the other project?