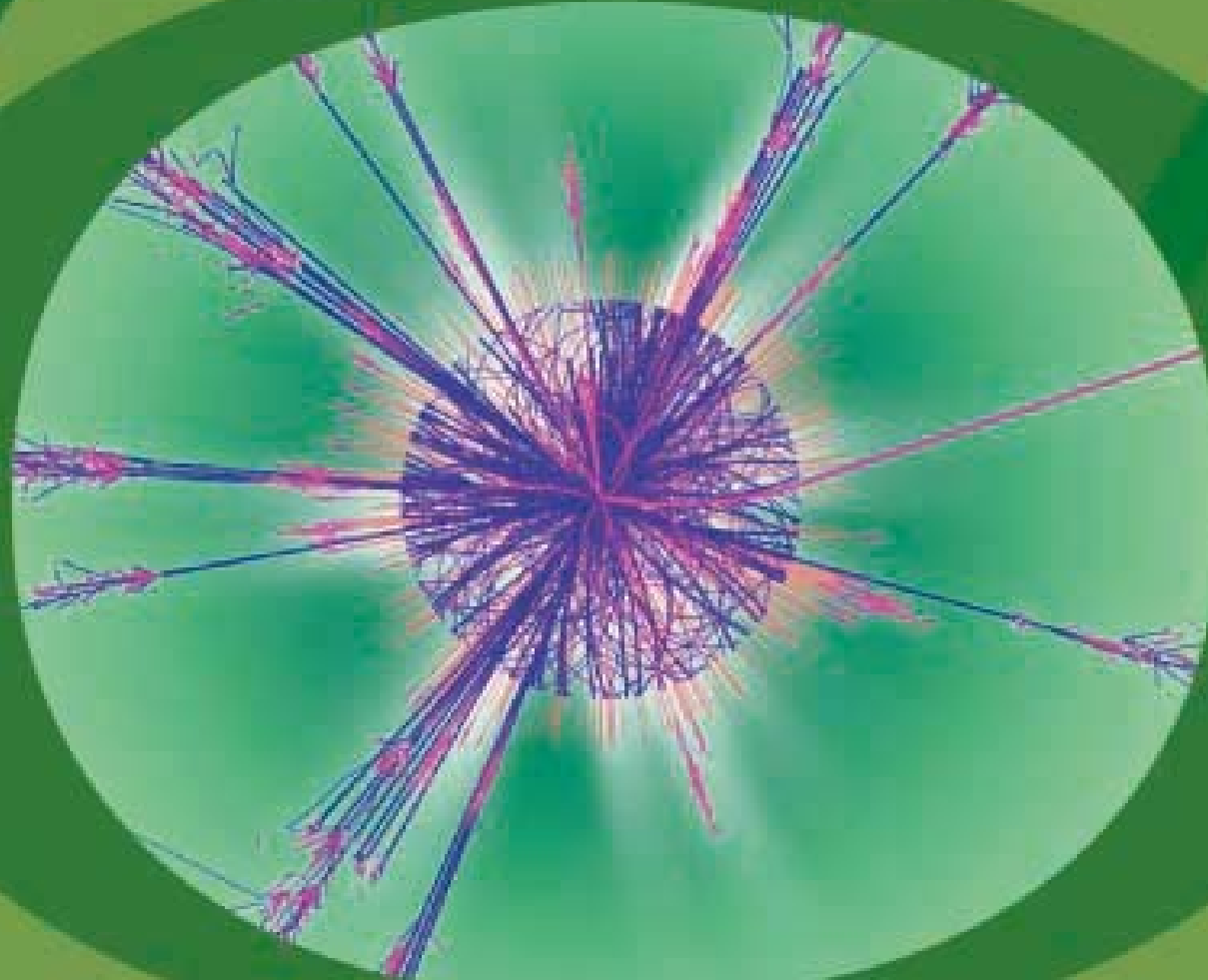


Selection criteria for journals and interaction with the author base



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Establishing a sponsoring consortium for Open Access publishing in particle physics
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How do authors select a journal ?



In the present system authors select a journal based on

- ◆ **Scientific Value**

- ◆ Prestige of the editorial board
- ◆ Impact factor
- ◆ Tradition of the journal

- ◆ **Long Term availability of the publication**

(Less important elements: speed of refereeing process – author friendly copyright)



How do authors select a journal ?



Publication in recognized peer-review journals is a guarantee of the high scientific value of the paper

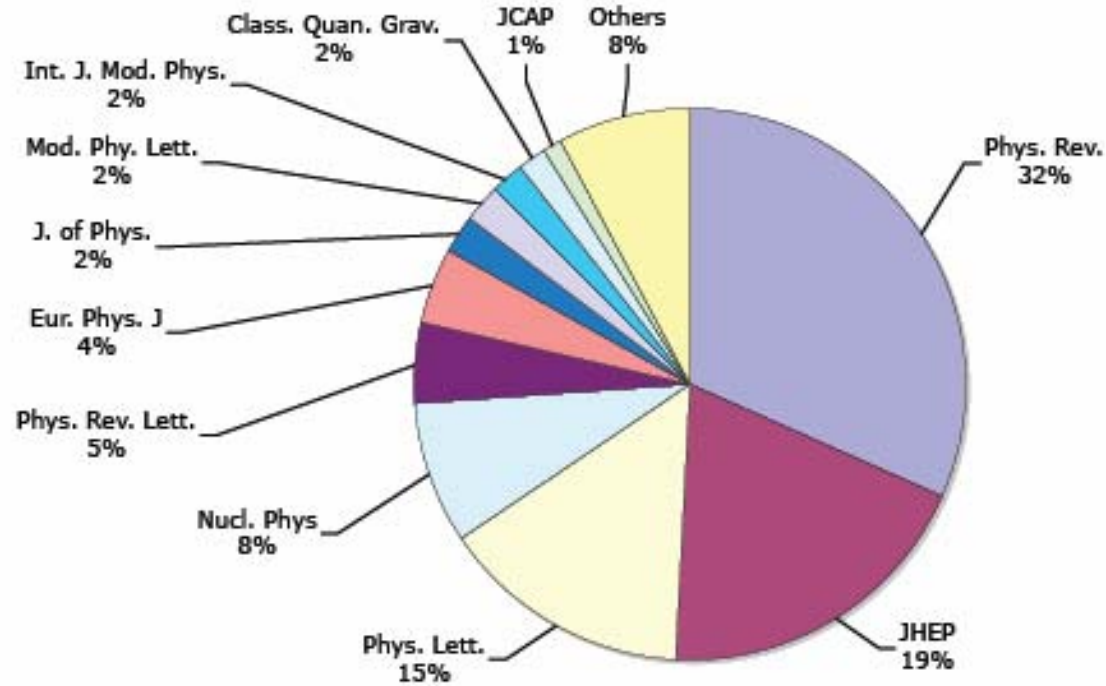
Publications in recognized peer-review journals are an important elements in evaluation of Institutions and Individuals



Distribution of HEP articles by journal

Status: 27/10/2006 19:30

Data: 5015 preprints submitted to arXiv in 2005 and subsequently published. Co-authorship is taken into account.



Journal	Papers	Phys. Rev.	JHEP	Phys. Lett.	Nucl. Phys	Phys. Rev. Lett.	Eur. Phys. J	J. of Phys.	Mod. Phys. Lett.	Int. J. Mod. Phys.	Class. Quan. Grav.	JCAP	Others
hep-ex	338	32%	0%	21%	1%	29%	11%	0%	1%	0%	0%	0%	5%
hep-lat	245	53%	14%	16%	7%	2%	2%	1%	1%	2%	0%	0%	3%
hep-ph	2207	41%	10%	16%	7%	4%	7%	2%	2%	1%	0%	1%	7%
hep-th	2225	20%	32%	12%	11%	2%	1%	3%	3%	2%	4%	1%	10%
Total	5015	32%	19%	15%	8%	5%	4%	2%	2%	2%	2%	1%	8%

Source: CERN Scientific Information Service (contact: Salvatore Mele)



ALL HEP Papers



- ◆ More than 80% of the HEP papers are published in 6 journals
 - ◆ Phys. Rev. (32%)
 - ◆ JHEP (19%)
 - ◆ Phys. Lett. (15%)
 - ◆ Nucl. Phys (8%)
 - ◆ Phys. Rev. Lett. (5%)
 - ◆ Eur. Phys. J. (4%)



Experimental Papers (20%)



- ◆ More than 90% of the Experimental HEP papers are published in 4 journals
 - ◆ Phys. Rev. (32%)
 - ◆ Phys. Rev. Lett. (29%)
 - ◆ Phys. Lett. (21%)
 - ◆ Eur. Phys. J. (11%)
- ◆ Large collaborations tend to publish on the SAME pair of journals (letters – longer papers) for their lifetimes (....JHEP)



“Inertia” of the system



HEP authors have “naturally” selected very few journals that are recognized world wide as very prestigious journals

It takes a number of years for a journal (publisher) to reach the wide recognition of the presently selected journals

For these reason the selection criteria for SCOAP-certified journals should keep the majority of the presently “selected” journals, while including new journals that may develop this recognition with time in a competitive market environment



Selection Criteria for SCOAP-certificated journals (Hard Criteria)



- ◆ Cost per article/page
- ◆ Editorial indicators (impact factor, rejection rate)
- ◆ Author- Friendly copyright and dissemination policy
- ◆ Proactive approach to long-term availability of the papers



Selection Criteria for SCOAP-certificated journals (Soft Criteria)



- ◆ **Prestige of the editorial board**
- ◆ **Present scientific value of the journal or of the publisher as perceived by the community**
- ◆ **Diversity: in order to keep high scientific value of the journals through competition**



Minimal set of selected journals



The selection criteria should be tailored to select a limited number of companies to tender. The tender process should allow to select at least two publishers per branch among those publishing presently the large majority of HEP papers.

This would ensure smooth transition, diversity and also competitive market



Interaction with author base



- ◆ My personal opinion:
- ◆ It is important that the set of certificated journals includes largely recognized peer-review journals
 - ◆ LHC experiments are waiting for guidelines from SCOAP
 - ◆ Theory authors will accept to publish on certificated journals

