

**[DRAFT]**

## 1 Cost Estimates

Estimated costs of items per NEDA detector unit and in total for a a setup with 96 detectors:

Group	Item	Cost/unit	Total cost
Detector	Detector unit	1.0 k€	96 k€
	Liquid (3 litres/unit	0.4 k€	38 k€
	Photomultiplier	1.7 k€	163 k€
	Socket and Voltage Divider	1.1 k€	106 k€
Electronics	See table 2	0.83 k€	80 k€
Data Acquisition	Computing nodes	0.1 k€	10 k€
	Storage	0.1 k€	10 k€
Mechanics and Infrastructure	Mechanics	0.5 k€	50 k€
	Infrastructure	0.05 k€	5 k€
Total cost		5.8 k€	555 k€

Table 1: Estimated cost per detector unit and in total for a setup with 96 detectors (2014 prices).

Table showing more detailed cost estimates for 96 channels of the NEDA front-end electronics:

Part	Function	Items required	Cost per Item	Total Cost
HDMI adapter	single-ended to diff.	24	(0.25 k€)	(6 k€)
NUMEXO2	pre-processing	6	5 k€	30 k€
FADC mezzanines	sampling	24	0.67 k€	16 k€
GTS mezzanines	GTS tree	4	1 k€	4 k€
GTS NIM Carrier	GTS tree	2	1 k€	2 k€
LINCO2	PCIe readout card	12	1 k€	12 k€
NIM Crate	Power supply	2	5 k€	10 k€
Total cost for		96 channels		80 k€

Table 2: Estimated costs of the NEDA front-end electronics (2014 prices)

## 2 Expected Funding

The table below shows the planned funding according to the existing MoU for the NEDA development phase (2012-2015). It also shows the actual funding contributed by each participant as of September 2014.

[Include a table of funding for 2012-2015 here! Javier: do you have such a table?]

A new MoU, with a starting time of 2016, is currently discussed within the NEDA Management Board. The countries, which are planning to sign the new MoU have not yet agreed on the future

funding scheme.

[Is it possible to include a table of the planned funding scheme?]

In August 2014 an application was submitted to the Swedish Research Council for a Swedish in-kind contribution to FAIR for participation in the construction of the NUSTAR experiments HISPEC, DESPEC, and R3B. In this application, an amount of 60 k€ in 2005 prices was included for the NEDA@HISPEC project.

In the future, Spain and UK are planning to apply for funds for NEDA@HISPEC. Later other countries might also contribute with funds for NEDA@HISPEC.

[Should we mention other countries, for example Turkey, ... ?]