



**Department of Physics and
Astronomy**

203 Van Allen Hall
Iowa City, Iowa 52242-1479
uiowa.edu

January 15th, 2025

**Fees for the UI Molecular Beam Epitaxy Facility
Beginning on Feb 1st, 2025**

New fees for the UI Molecular Beam Epitaxy Facility will become effective on Feb 1st, 2025. The new fees are as follows:

Internal user rates for the molecular beam epitaxy machine are \$225.00/hr. This rate is required to cover the costs of liquid nitrogen, high purity materials, substrates, and maintenance. This rate was arrived at by study of MBE expenses from 2010-2024. Recently, these costs have risen sharply, especially the cost of high purity materials. Rates are selected such that the balance is within +/-10% of expenditures per year.

External rates will be billed at \$340.00/hr. University of Iowa startup companies will be charged internal user rates. The above price assumes growth on 1/4 2" GaSb wafer. If growth is done on a full 2" GaSb wafer, an additional \$450 will be charged per growth. If growth is done on a 3" GaSb wafer, an additional \$1150 will be charged.

Additionally, the internal rate for growth specific characterization equipment is \$40/hr. This rate is required to cover costs of equipment maintenance. MBE related characterization equipment includes:

- High resolution x-ray machine
- Hall measurement setup
- Photo- and electroluminescence setup
- LIV setup & equipment for making chip (flip chip bonder, wire bonder)

Markus Wohlgenannt
Professor and Director of the MBE Facility, Jan 15th 2025