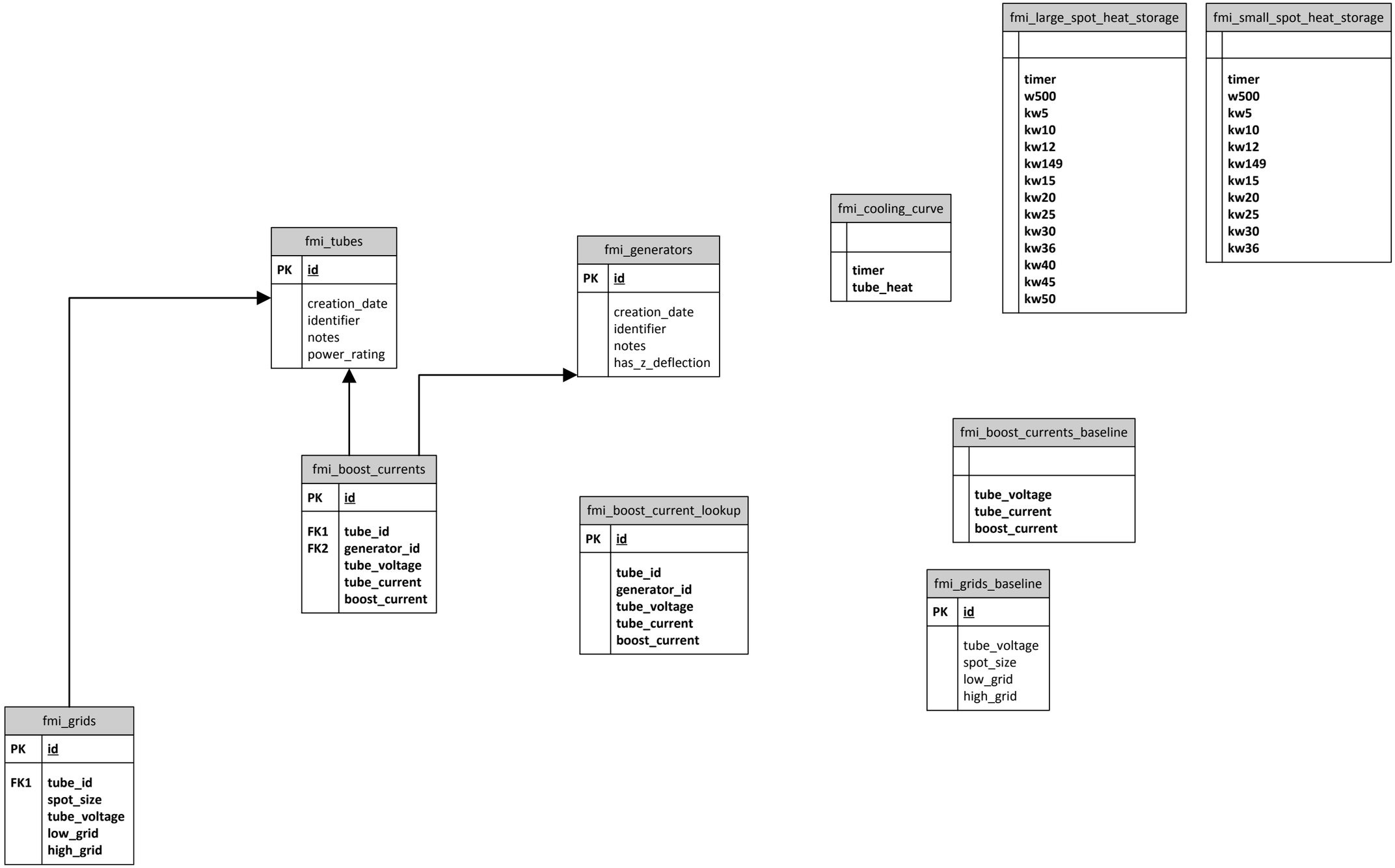
Xray Database
Version 1



Xray Database
Version 2

+is_active

fmi_tubes	
PK	**id**
	creation_date identifier notes power_rating is_active

fmi_generators	
PK	**id**
	creation_date identifier has_z_deflection notes is_active

+is_active

fmi_boost_current_lookup	
PK	**id**
	tube_id **generator_id** **tube_voltage** **tube_current** **boost_current**

fmi_large_spot_heat_storage	
	timer **w500** **kw5** **kw10** **kw12** **kw149** **kw15** **kw20** **kw25** **kw30** **kw36** **kw40** **kw45** **kw50**

fmi_small_spot_heat_storage	
	timer **w500** **kw5** **kw10** **kw12** **kw149** **kw15** **kw20** **kw25** **kw30** **kw36**

fmi_boost_currents	
PK	**id**
FK1 **FK2**	**tube_id** **generator_id** **tube_voltage** **tube_current** **boost_current** is_modified

+is_modified

fmi_boost_currents_baseline	
PK **PK**	**tube_voltage** **tube_current**
	boost_current

fmi_grids	
PK	**id**
FK1	**tube_id** **spot_size** **tube_voltage** **low_grid** **high_grid**

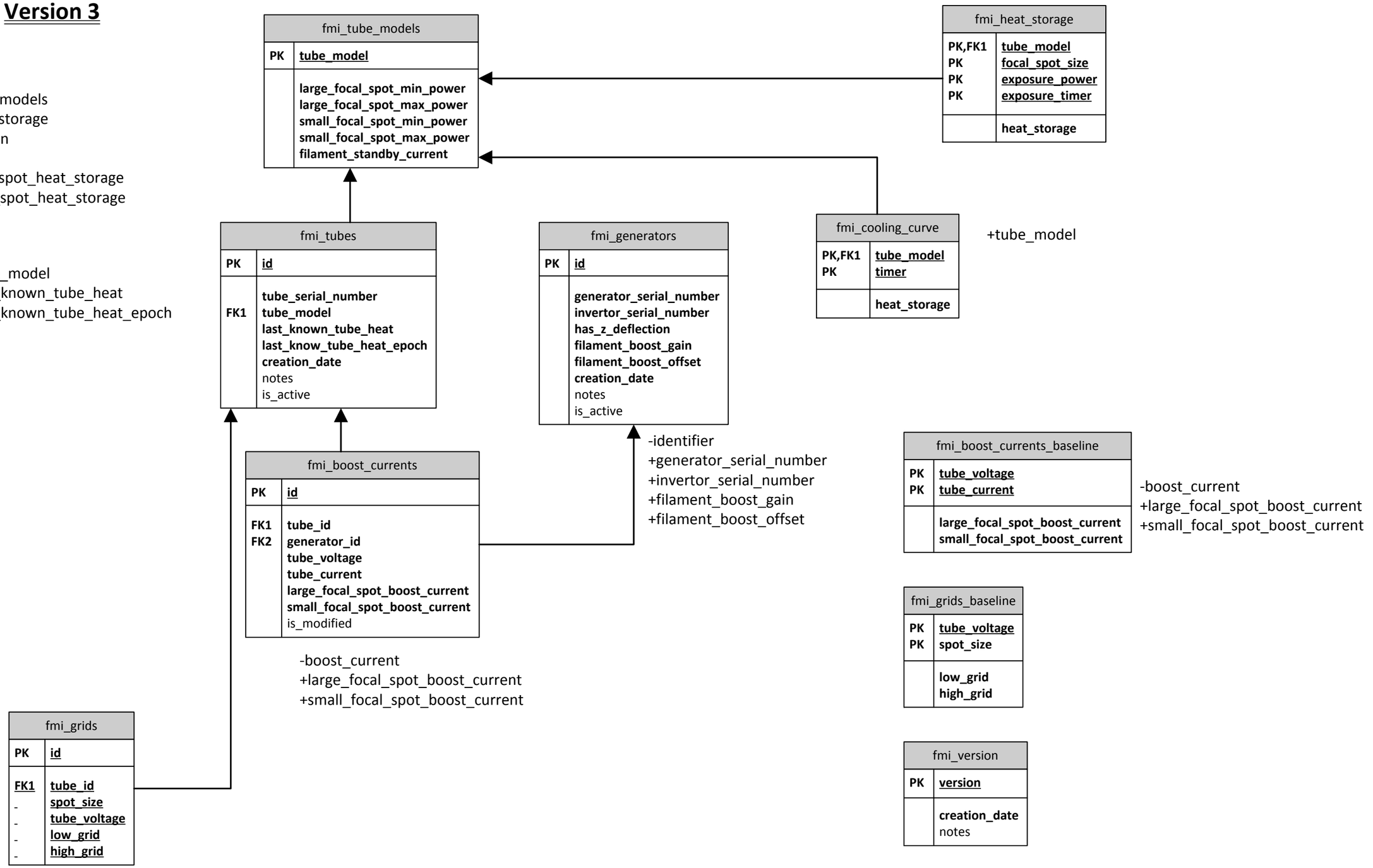
fmi_grids_baseline	
PK	**id**
	tube_voltage spot_size low_grid high_grid

Xray Database Version 3

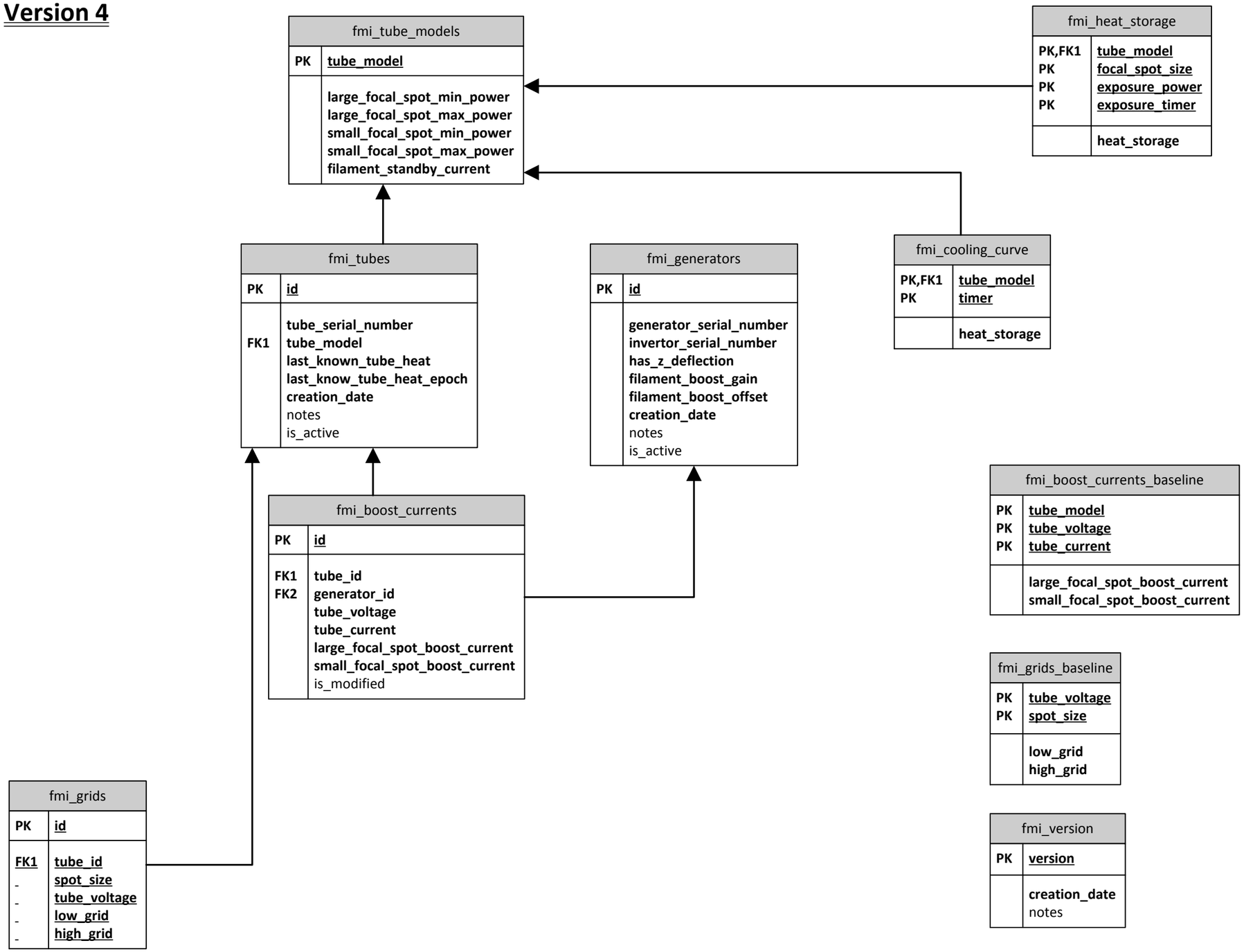
+fmi_tube_models
+fmi_heat_storage
+fmi_version

-fmi_large_spot_heat_storage
-fmi_small_spot_heat_storage

+tube_model
+last_known_tube_heat
+last_known_tube_heat_epoch



Xray Database Version 4



Xray Database
Version 5

fmi_heat_storage	
PK	**focal_spot_size**
PK	**exposure_power**
PK	**exposure_timer**
	heat_storage

fmi_cooling_curve	
PK	**timer**
	heat_storage

fmi_tube_models	
PK	**tube_model**
	filament_standby_current

+ tube_model
+ offset
+ divisor
+ PK(tube_model)

fmi_tubes	
PK	**id**
FK1	**tube_serial_number** **tube_model** **x_deflection** **last_known_tube_heat** **last_know_tube_heat_epoch** **creation_date** notes is_active

fmi_generators	
PK	**id**
FK1	**generator_serial_number** **invertor_serial_number** **generator_model** **creation_date** notes is_active

fmi_boost_currents_baseline	
PK	**tube_voltage**
PK	**tube_current**
PK	**focal_spot_size**
	boost_current

fmi_grids_baseline	
PK	**tube_voltage**
PK	**spot_size**
	low_grid **high_grid** **offset** **divisor**

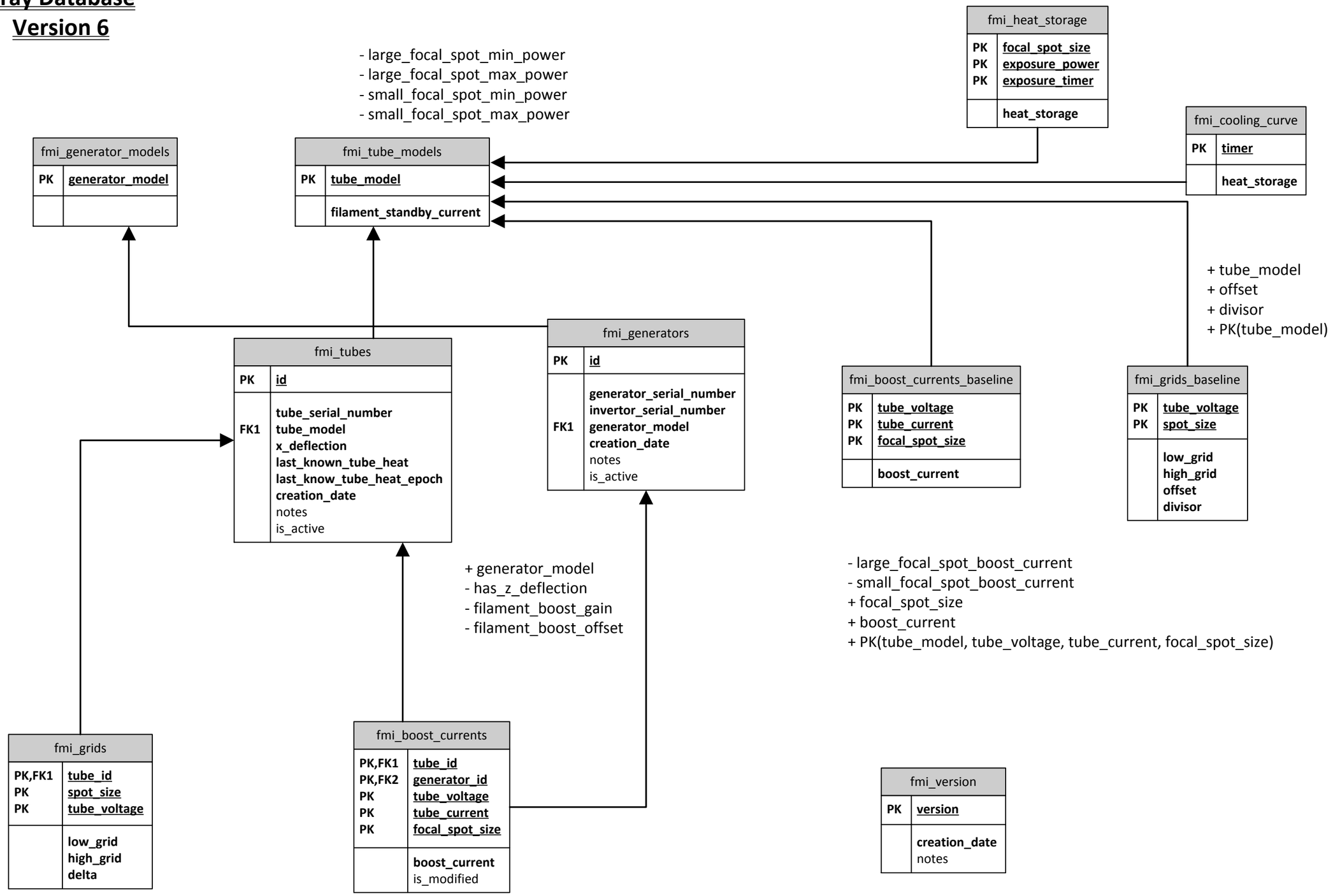
- large_focal_spot_boost_current
- small_focal_spot_boost_current
+ focal_spot_size
+ boost_current
+ PK(tube_model, tube_voltage, tube_current, focal_spot_size)

fmi_grids	
PK,FK1	**tube_id**
PK	**spot_size**
PK	**tube_voltage**
	low_grid **high_grid** **delta**

- id(PK)
+ offset
+ divisor
+ PK(tube_id,spot_size,tube_voltage)

fmi_boost_currents	
PK,FK1	**tube_id**
PK,FK2	**generator_id**
PK	**tube_voltage**
PK	**tube_current**
PK	**focal_spot_size**
	boost_current is_modified

- id(PK)
- large_focal_spot_boost_current
- small_focal_spot_boost_current
+ focal_spot_size
+ boost_current
+ PK(tube_id, generator_id, tube_voltage, tube_current, focal_spot_size)

fmi_version	
PK	**version**
	creation_date notes

Xray Database
Version 6