In the following, a general format for the input file of MITHRA is presented. The red icons or groups can be repeated in the text. string denotes a string of characters. The reference directory in the int stands for an integer number, real represents a real value, and path locations is the path where the simulation is started. In other words, "./" points to the location where the project is called.

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real ) >
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distance-to-bunch-head
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              bunching-factor
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                                                                                             bunch-sampling
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                                               shot-noise
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Bx | By | Bz = < Ex | Ey | Ez = < true | false

= < in-plane | all-domain > = < (real, real, real) >

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Ax | Ay | Az | F >

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                                                                                                                                               number-of-points
                                                                                                                                                                                                                                                                                                                                                                      plane-position
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                   sample
                                                                                                                                                              standing-truncated-plane-wave |
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II
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EXTERNAL-FIELD
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