**Table 3.1c: List of Deliverables[[1]](#footnote-1)**

Only include deliverables that you consider essential for effective project monitoring.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Number** | **Deliverable name** | **Short description** | **Work package number** | **Short name of lead participant** | **Type** | **Dissemination level** | **Delivery date**  **(in months)** |
| D8.1 | AI-based detector unfolding, particle identification, and event selection tools | Validated AI algorithms for unfolding detector effects and particle identification, leptons and hadrons, for some selected use case reactions. | 8 | CEA/IN2P3 | DEM | PU | 20 |
| D8.2 | Physics observable extraction workflows | AI-supported workflows to extract key observables (cross sections, asymmetries, GPDs, CFFs, amplitudes) from processed datasets | 8 | INFN | DEM | PU | 32 |
| D8.3 | Theory-AI integration pilot studies | AI integration with theoretical frameworks (EFTs, lattice QCD) for physics interpretation | 8 | UVEG/UPO | DEM | PU | 40 |
| D8.4 | Training materials and dissemination toolkit | Workshop summaries, tutorial materials, user guides, and a public platform for AI tool dissemination and community uptake | 8 | BOCHUM/GLASGOW/UB | R/DEC | PU | 46 |
|  |  |  |  |  |  |  |  |

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| **KEY**  Deliverable numbers in order of delivery dates. Please use the numbering convention <WP number>.<number of deliverable within that WP>.  For example, deliverable 4.2 would be the second deliverable from work package 4.  **Type:**  Use one of the following codes:  R: Document, report (excluding the periodic and final reports)  DEM: Demonstrator, pilot, prototype, plan designs  DEC: Websites, patents filing, press & media actions, videos, etc.  DATA: Data sets, microdata, etc.  DMP: Data management plan  ETHICS: Deliverables related to ethics issues.  SECURITY: Deliverables related to security issues  OTHER: Software, technical diagram, algorithms, models, etc.  **Dissemination level:**  Use one of the following codes:  PU – Public, fully open, e.g. web (Deliverables flagged as public will be automatically published in CORDIS project’s page)  SEN – Sensitive, limited under the conditions of the Grant Agreement  Classified R-UE/EU-R – EU RESTRICTED under the Commission Decision No2015/444  Classified C-UE/EU-C – EU CONFIDENTIAL under the Commission Decision No2015/444  Classified S-UE/EU-S – EU SECRET under the Commission Decision No2015/444  **Delivery date**  Measured in months from the project start date (month 1) |

**Table 3.1d: List of milestones**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Milestone number** | **Milestone name** | **Related work package(s)** | **Due date (in month)** | **Means of verification** |
| M8.1 | Prototype AI-based detector analysis tools ready | 8 | 20 | Internal benchmarking report with performance metrics; availability of code in consortium repository |
| M8.2 | Operational AI-supported physics observable extraction pipeline | 8 | 32 | Reproduction of a published analyses using the pipeline; demonstration for external reviewers |
| M8.3 | Demonstrated AI–theory framework integration | 8 | 40 | AI–theory results and validation against theoretical predictions documented in an internal technical note |
| M8.4 | Public release of training and dissemination toolkit | 8 | 46 | Public website online with downloadable materials |

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| **KEY**  **Due date**  Measured in months from the project start date (month 1)  **Means of verification**  Show how you will confirm that the milestone has been attained. Refer to indicators if appropriate. For example: a laboratory prototype that is ‘up and running’; software released and validated by a user group; field survey complete and data quality validated. |

**Table 3.1e: Critical risks for implementation** #@RSK-MGT-RM@#

|  |  |  |
| --- | --- | --- |
| **Description of risk (indicate level of (i) likelihood, and (ii) severity: Low/Medium/High)** | **Work package(s) involved** | **Proposed risk-mitigation measures** |
| M8.1: data integration issue | medium | Define common data format early |
| M8.2: computational limits | medium | Use distributed/HPC/cloud resources |
| M8.3: limited HPC for theory | low | Plan simulations in advance |
| M8.4: delays in materials | low | Prepare progressively during project |

|  |
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| **Definition critical risk:**  A critical risk is a plausible event or issue that could have a high adverse impact on the ability of the project to achieve its objectives.  **Level of likelihood to occur: Low/medium/high**  The likelihood is the estimated probability that the risk will materialise even after taking account of the mitigating measures put in place.  **Level of severity: Low/medium/high**  The relative seriousness of the risk and the significance of its effect. |

#§RSK-MGT-RM§#

1. You must include a data management plan (DMP) and a ‘plan for dissemination and exploitation including communication activities as distinct deliverables within the first 6 months of the project. The DMP will evolve during the lifetime of the project in order to present the status of the project's reflections on data management. A template for such a plan is available in the [Online Manual](https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/common/guidance/om_en.pdf) on the Funding & Tenders Portal. [↑](#footnote-ref-1)