

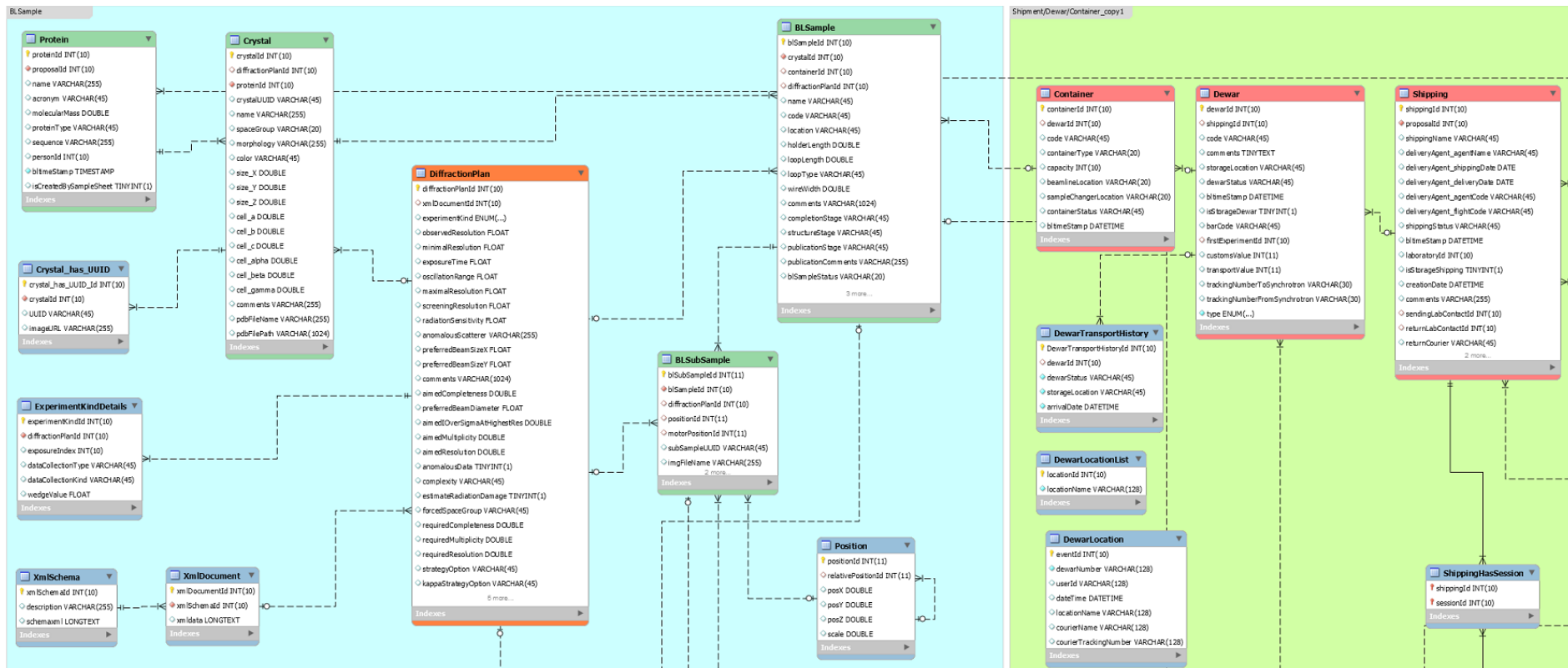


| The European Synchrotron

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CRIMS Webservices – Tables in database

Tables in DB:



Existing in DB :

proposal

Session

Labcontacts

Protein acronym

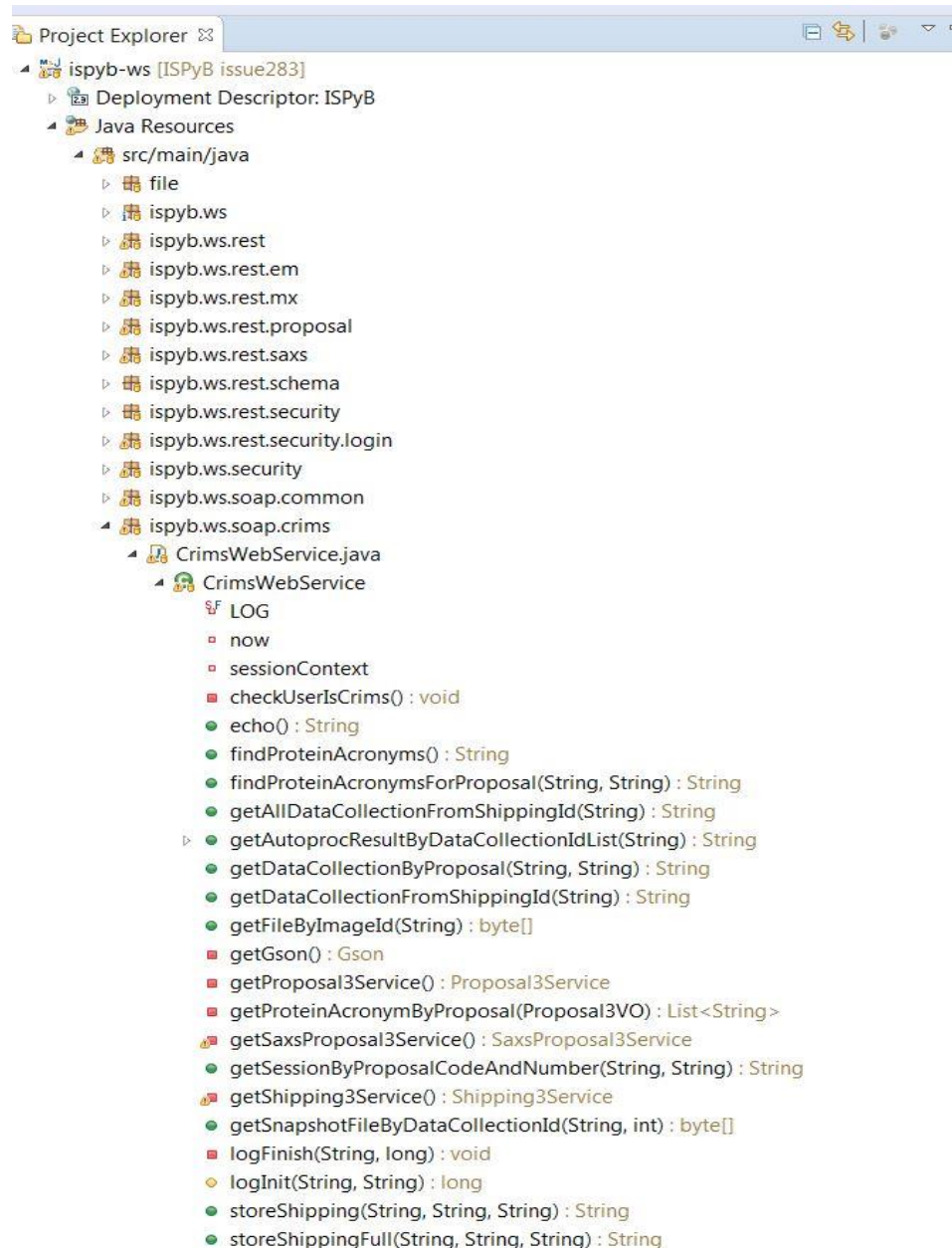
Uploaded :

Shipment/Dewar(Parcel)/Container(Puck)/Samples/CrystalForm

CRIMS Webservices – JSON upload

Webservice

In ispyb-ws



CRIMS Webservices – JSON upload

Webmethod:

```
/*
 * EXTERNAL WEBSERVICES FOR CRIMS
 *
 * @param proposalCode
 * @param proposalNumber
 * @param json
 * @return
 * @throws Exception
 */
@WebMethod
public String storeShipping(@WebParam(name = "proposalCode")
String proposalCode, @WebParam(name = "proposalNumber")
String proposalNumber, @WebParam(name = "shipping")
String json) throws Exception {
    HashMap<String, String> params = new HashMap<String, String>();
    params.put("proposalCode", String.valueOf(proposalCode));
    params.put("proposalNumber", String.valueOf(proposalNumber));
    params.put("shipping", String.valueOf(json));
    long id = this.logInit("storeShipping", new Gson().toJson(params));

    try {
        checkUserIsCrims();
        Ejb3ServiceLocator ejb3ServiceLocator = Ejb3ServiceLocator.getInstance();
        External3Service external3Service = (External3Service) ejb3ServiceLocator.getLocalService(External3Service.class);
        Shipping3VO shipping = new Gson().fromJson(json, Shipping3VO.class);
        Shipping3VO shipping3VO = external3Service.storeShipping(proposalCode, proposalNumber, shipping);
        if (shipping3VO != null) {
            String result = getGson().toJson(external3Service.getDataCollectionFromShippingId(shipping3VO.getShippingId()));
            this.logFinish("storeShipping", id);
            return result;
        }
    } catch (Exception e) {
        e.printStackTrace();
        LoggerFormatter.Log(LOG, LoggerFormatter.Package.CRIMS_WS_ERROR, "storeShipping", id,
            System.currentTimeMillis(), e.getMessage(), e);
        throw e;
    }
    return null;
}
```

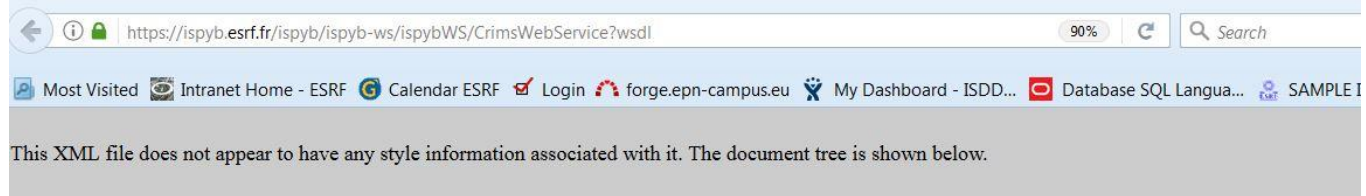
CRIMS Webservices – JSON upload

JSON file

```
1 {
2   "shippingId": 310127,
3   "shippingName1": "testSD1",
4   "deliveryAgentAgentName": null,
5   "deliveryAgentShippingDate": null,
6   "deliveryAgentDeliveryDate": null,
7   "deliveryAgentAgentCode": null,
8   "deliveryAgentFlightCode": null,
9   "shippingStatus": "opened",
10  "timeStamp": "May 15, 2018 3:10:32 PM",
11  "laboratoryId": null,
12  "isStorageShipping": null,
13  "creationDate": "May 15, 2018 3:10:32 PM",
14  "comments": "",
15  "sendingLabContactVO": {
16    "labContactId": 248308,
17    "personVO": {
18      "personId": 396486,
19      "laboratoryVO": {
20        "laboratoryId": 311197,
21        "laboratoryUUID": null,
22        "name": "ESRF",
23        "address": "71 avenue des Martyrs\nCS 40220\n38043\n",
24        "city": "GRENOBLE",
25        "country": "ESRF",
26        "url": null,
27        "organization": null,
28        "laboratoryExtPk": 200450
29      },
30      "siteId": "190200",
31      "personUUID": null,
32      "familyName": "GUILLOT",
33      "givenName": "Sarah",
34      "title": "Mme",
35      "emailAddress": "sarah.guillot@esrf.fr",
36      "phoneNumber": null,
37      "login": null,
38      "faxNumber": null,
39      "externalId": null
40    },
41    "cardName": "GUILLOT-ESRF-GRENOBLE",
42    "defaultCourierCompany": "-1",
43    "courierAccount": "",
44    "billingReference": "",
45    "dewarAvgCustomsValue": 0,
```

```
31 "returnCourier": null,
32 "dateOfShippingToUser": null,
33 "shippingType": "DewarTracking",
34 "dewarVOs": [
35   {
36     "dewarId": 315068,
37     "code": "Dewar1",
38     "comments": null,
39     "storageLocation": null,
40     "dewarStatus": "opened",
41     "timeStamp": "May 15, 2018 3:10:32 PM",
42     "isStorageDewar": null,
43     "barcode": "ESRF-SD2",
44     "customsValue": 0,
45     "transportValue": 0,
46     "trackingNumberToSynchrotron": null,
47     "trackingNumberFromSynchrotron": null,
48     "facilityCode": null,
49     "type": "Dewar",
50     "isReimbursed": null,
51     "containerVOs": [
52       {
53         "containerId": 350117,
54         "code": "puck1",
55         "containerType": "Puck",
56         "capacity": 16,
57         "beamlineLocation": null,
58         "sampleChangerLocation": null,
59         "containerStatus": null,
60         "timeStamp": "May 15, 2018 3:10:46 PM",
61         "barcode": null,
62         "sampleVOs": [
63           {
64             "blSampleId": 631365,
65             "diffractionPlanVO": {
66               "diffractionPlanId": 404348,
67               "experimentKind": "Default",
68               "observedResolution": 0,
69               "minimalResolution": null,
70               "exposureTime": 0,
71               "oscillationRange": 0,
72               "maximalResolution": null,
73               "screeningResolution": null,
74               "radiationSensitivity": null,
75               "anomalousScatterer": null,
```


WSDL

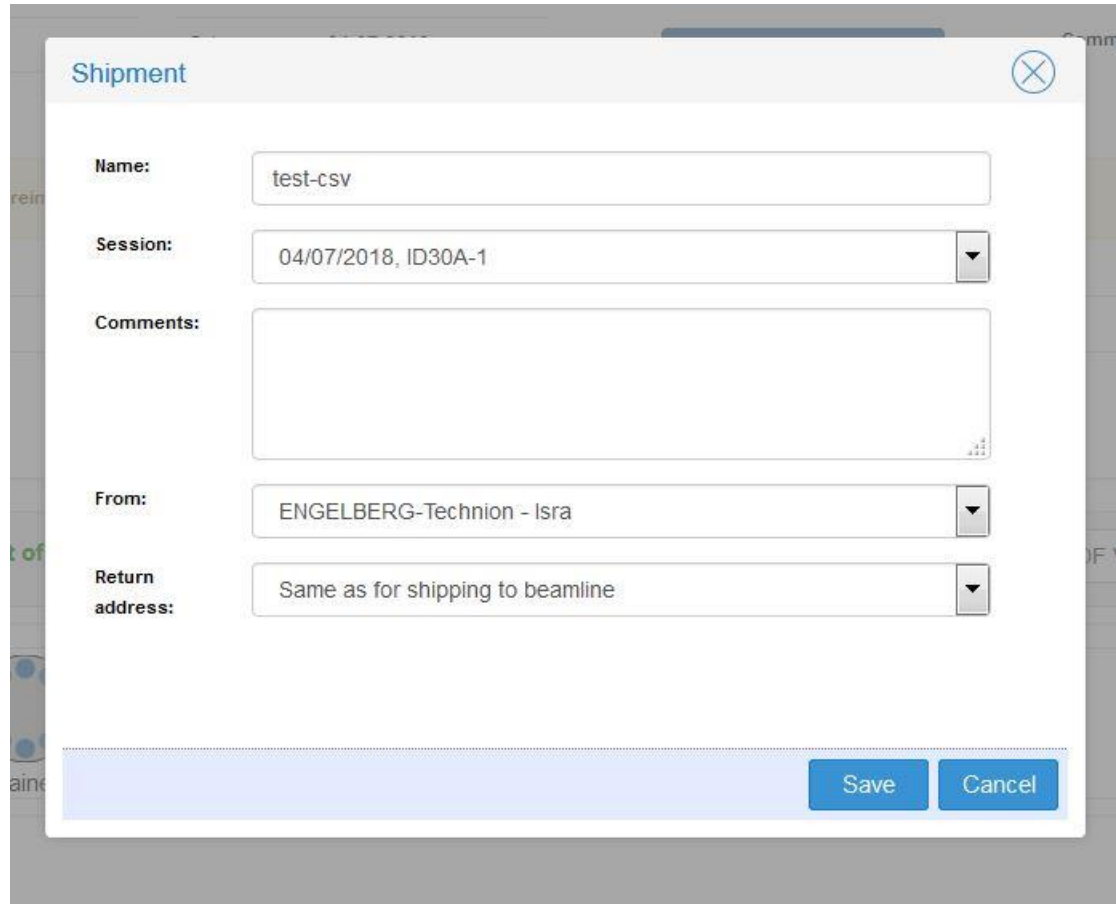


```
-<wsdl:definitions name="ispybWS" targetNamespace="http://ispyb.ejb3.webservices.crims">
  -<wsdl:types>
    -<xs:schema attributeFormDefault="unqualified" elementFormDefault="unqualified" targetNamespace="http://ispyb.ejb3.webservices.crims">
      <xs:element name="echo" type="tns:echo"/>
      <xs:element name="echoResponse" type="tns:echoResponse"/>
      <xs:element name="findProteinAcronyms" type="tns:findProteinAcronyms"/>
      <xs:element name="findProteinAcronymsForProposal" type="tns:findProteinAcronymsForProposal"/>
      <xs:element name="findProteinAcronymsForProposalResponse" type="tns:findProteinAcronymsForProposalResponse"/>
      <xs:element name="findProteinAcronymsResponse" type="tns:findProteinAcronymsResponse"/>
      <xs:element name="getAllDataCollectionFromShippingId" type="tns:getAllDataCollectionFromShippingId"/>
      <xs:element name="getAllDataCollectionFromShippingIdResponse" type="tns:getAllDataCollectionFromShippingIdResponse"/>
      <xs:element name="getAutoprocResultByDataCollectionIdList" type="tns:getAutoprocResultByDataCollectionIdList"/>
      <xs:element name="getAutoprocResultByDataCollectionIdListResponse" type="tns:getAutoprocResultByDataCollectionIdListResponse"/>
      <xs:element name="getDataCollectionByProposal" type="tns:getDataCollectionByProposal"/>
      <xs:element name="getDataCollectionByProposalResponse" type="tns:getDataCollectionByProposalResponse"/>
      <xs:element name="getDataCollectionFromShippingId" type="tns:getDataCollectionFromShippingId"/>
      <xs:element name="getDataCollectionFromShippingIdResponse" type="tns:getDataCollectionFromShippingIdResponse"/>
      <xs:element name="getFileByImageId" type="tns:getFileByImageId"/>
      <xs:element name="getFileByImageIdResponse" type="tns:getFileByImageIdResponse"/>
      <xs:element name="getSessionByProposalCodeAndNumber" type="tns:getSessionByProposalCodeAndNumber"/>
      <xs:element name="getSessionByProposalCodeAndNumberResponse" type="tns:getSessionByProposalCodeAndNumberResponse"/>
      <xs:element name="getSnapshotFileByDataCollectionId" type="tns:getSnapshotFileByDataCollectionId"/>
      <xs:element name="getSnapshotFileByDataCollectionIdResponse" type="tns:getSnapshotFileByDataCollectionIdResponse"/>
      <xs:element name="storeShipping" type="tns:storeShipping"/>
      <xs:element name="storeShippingFull" type="tns:storeShippingFull"/>
      <xs:element name="storeShippingFullResponse" type="tns:storeShippingFullResponse"/>
      <xs:element name="storeShippingResponse" type="tns:storeShippingResponse"/>
      <xs:element name="updateDataBaseByProposal" type="tns:updateDataBaseByProposal"/>
      <xs:element name="updateDataBaseByProposalResponse" type="tns:updateDataBaseByProposalResponse"/>
    -<xs:complexType name="findProteinAcronyms">
      <xs:sequence/>
    </xs:complexType>
    -<xs:complexType name="findProteinAcronymsResponse">
      -<xs:sequence>
        <xs:element minOccurs="0" name="listProteinAcronyms" type="xs:string"/>
      </xs:sequence>
    </xs:complexType>
    -<xs:complexType name="getSessionByProposalCodeAndNumber">
      -<xs:sequence>
        <xs:element minOccurs="0" name="proposalCode" type="xs:string"/>
        <xs:element minOccurs="0" name="proposalNumber" type="xs:string"/>
      </xs:sequence>
    </xs:complexType>
  </wsdl:types>
</wsdl:definitions>
```

CSV upload

From EXI:

- 1) Create shipment linked to 1 session, labcontacts



The screenshot shows a 'Shipment' form with the following fields:

- Name:** test-csv
- Session:** 04/07/2018, ID30A-1
- Comments:** (empty text area)
- From:** ENGELBERG-Technion - Isra
- Return address:** Same as for shipping to beamline


At the bottom right of the form are two buttons: 'Save' and 'Cancel'.

CSV upload

From EXI:

2) Import from csv

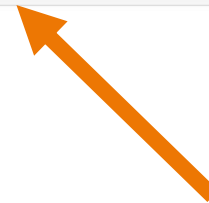
[Information](#) [Transport history](#)

Name	test csv	Date	04-07-2018	 Send shipment to ESRF	Comments: <div></div>	Edit
Beamline	ID30A-1	Status	opened			

According to the A-form, you are allowed to have 1 parcels reimbursed by the ESRF. Please use the Reimburse button to select/unselect the parcels to be reimbursed.

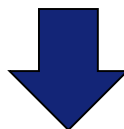
From	ENGELBERG-Technion - Isra	Courier company	-1	Allowed Reimb. parcels	1
Return address	ENGELBERG-Technion - Isra	Billing Reference		Fedex Reference	MX-415/ID30A-1/04-07-2018

Content (1 Parcels (0 reimbursed selected out of 1 allowed.) - 11 Samples - 0 Measured) [Add Parcel](#) [Import from CSV](#) [Export PDF View](#) [Content](#) [Statistics](#)



CSV upload

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	parcel-SD1	containerSD1	SPINEpuck	1	5HT3	sp-test1									Default	1	2	3	4	
2	parcel-SD1	containerSD1	SPINEpuck	2	5HT3	sp-test2									Default					
3	parcel-SD1	containerSD1	SPINEpuck	3	5HT3	sp-test3									Default					
4	parcel-SD1	containerSD1	SPINEpuck	4	5HT3	sp-test4									Default					
5	parcel-SD1	containerSD2	SPINEpuck	1	5HT3	sp-test-2-1									Default	1	2	3	4	
6	parcel-SD1	containerSD2	SPINEpuck	2	5HT3	sp-test-2-2									Default	1	2	3	4	
7	parcel-SD1	containerSD2	SPINEpuck	3	5HT3	sp-test-2-3									Default	1	2	3	4	
8	parcel-SD3	containerSD3	Unipuck	2	5HT3	sp-test-3-1									Default	1	2	3	4	
9																				



Import CSV

Browse... example1.csv

Do you need help? Click here. Examples can be found here: example.csv

Parcel Name should be unique for the whole shipment

Accepted values for container type are: SPINEpuck, Unipuck

Container name should be unique for this shipment

Protein + sample name should be unique for the whole proposal

Parcel Name	Container Name	Container Type	#	Protein Acronym	Sample Name	Pin Barcode	Space group	a	b	c	α	β	γ	Exp. Type	Aimed Resolution	Required Resolution	Beam Diameter	Number of positions	Aimed Multiplicity	Aimed Completeness	Forced SPG	Radiation Sensitivity	SMILES	Tot Rot. Angle	Observed Resolution	Comments
parcel-SD1	containerSD1	SPINEpuck	1	5HT3	sp-test1									Default	1	2	3	4	5	6	P1	100		30	1.6	comments
parcel-SD1	containerSD1	SPINEpuck	2	5HT3	sp-test2									Default												
parcel-SD1	containerSD1	SPINEpuck	3	5HT3	sp-test3									Default												
parcel-SD1	containerSD1	SPINEpuck	4	5HT3	sp-test4									Default												
parcel-SD1	containerSD2	SPINEpuck	1	5HT3	sp-test-2-1									Default	1	2	3	4	5	6	P1	100		31	1.6	comments
parcel-SD1	containerSD2	SPINEpuck	2	5HT3	sp-test-2-2									Default	1	2	3	4	5	6	P1	100		31	1.6	comments
parcel-SD1	containerSD2	SPINEpuck	3	5HT3	sp-test-2-3									Default	1	2	3	4	5	6	P1	100		31	1.6	comments
parcel-SD3	containerSD3	Unipuck	2	5HT3	sp-test-3-1									Default	1	2	3	4	5	6	P1	100		90	1.6	comments

CSV upload

From EXI:

3) shipment imported

Shipment

Information Transport history

Name test csv

Date 04-07-2018



Send shipment to ESRF

Comments:

Edit

Beamline ID30A-1

Status opened

According to the A-form, you are allowed to have 1 parcels reimbursed by the ESRF. Please use the Reimburse button to select/unselect the parcels to be reimbursed.

From ENGELBERG-Technion - Isra

Courier company -1

Allowed Reimb. parcels

1

Return address ENGELBERG-Technion - Isra

Billing Reference

Fedex Reference

MX-415/ID30A-1/04-07-2018

Content (1 Parcels (0 reimbursed selected out of 1 allowed.) - 11 Samples - 0 Measured)

+ Add Parcel

Import from CSV

Export PDF View

Content Statistics

#1
Name: parcelA3
Status:
Location: ID30A-1



containerA3



containerA4

+ Add container

Edit

Reimburse

Print labels